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Illustrated

HAND BOOK

FOR THE

FARM & GARDEN

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DUPLICATE
FROM AUTH

CATALOGUE

OF

GARDEN
FIELD & FLOWER
SEEDS, etc.

B. K. BLISS & SONS,
34 BARCLAY STREET
NEW YORK

WHAT WE GUARANTEE.

That all seeds sold by us shall prove to be as represented, to this extent, that should prove otherwise, we will replace them, or send other seeds to the same value. But we c guarantee the crop any farther than the above offer, as there are so many causes which operate unfav in the germination of seeds and maturity of the crop, over which we have no control. Among the ca failure may be mentioned unfavorable weather, which is one of the most important. The soil ma proper condition when the seed is planted, but the weather which follows may be cold and wet, whi cause the seed to rot, or it may be hot and dry, which destroys the germ, before it shows itself. T may also be unfavorable for the variety of seed planted. The seeds may be and are frequently destro vermin of various kinds. And lastly, changes not unfrequently occur, especially among new hy varieties, by which frequent sports are produced which give the planter the idea that his seeds a mixed. Such occurrences are beyond the power of man to prevent and for which we cannot be res

That all money shall reach us if sent by either Bank Draft, Money Order, Express o istered Letter. If unable to procure money orders or currency, remittances may be made in stamps (of the highest denominations convenient, not exceeding 30c. stamps), care being taken to their sticking to each other, or to the order. Stamps are preferable to coin, as the latter is apt t through the envelope.

That all seeds sent out by us shall reach their destination, agreeing to replace any that lost in the mails.

We respectfully solicit your orders on the above very favorable conditions. Every possible c precaution will be used by us to prevent any mistake from occurring, but should such occur, we wish advised **at once,** and they will be cheerfully rectified, as **it is our aim and desire that every t action with us shall be perfectly satisfactory.**

We would also request that the above instructions may be fully complied with; also that with **eac every order** you will give your COMPLETE ADDRESS DISTINCTLY WRITTEN, and give shipping instru if the order is to go otherwise than by mail.

Do not ask to have small orders sent C. O. D., as the charges for collecting the money, added to postage on the goods, often amounts to more than the expense of sending them by mail or express pr and, to some points, more than the value of the seeds ordered. We would therefore request that each be accompanied by a remittance, as much more satisfactory to all parties.

Thanking our many correspondents for their past favors, both in orders received and for spe so kindly of us to , and awaiting your further favors, which shall receive our best car prompt att

B. K. BLISS & SONS

THE FOLLOWING CATALOGUES WILL BE MAILED TO ALL APPLICANTS ON RECEIPT OF PRICES AFFI

Regular customers, whose names are recorded on our books, will be supplied with a copy of eac tion, when published, without application.

No. 1. Bliss's Seed Catalogue and Guide to the Flower, Kitchen Garden and the F (24th Edition).—Contains upwards of 200 pages, with about 500 BEAUTIFUL ILLUSTRATIONS, inclu *two splendid Colored Lithographs of favorite flowers,* and a descriptive list of upwards of TWO THOU VARIETIES OF FLOWER AND VEGETABLE SEEDS, including many CHARMING NOVELTIES, with explicit d tions for their culture. Also a list of FRENCH HYBRID GLADIOLUS, and other SUMMER FLOWERING BU BEDDING AND GREENHOUSE PLANTS. To which is added a list of a few of the choicest varieties of GRA STRAWBERRIES, RASPBERRIES, and other SMALL FRUITS, AGRICULTURAL IMPLEMENTS, FERTILIZERS, etc., with much valuable information upon the subject of Gardening generally, which will be found a to the experienced amateur as well as to those about to commence the delightful occupation of garde 35 cents; an edition elegantly bound in muslin, $1.00.

No. 2. Bliss's Illustrated Handbook for the Farm and Garden.—An abridged catalogue, taining all the leading varieties selected from the above, illustrated by a beautiful colored plat Pansies, and about three hundred engravings of FLOWERS, VEGETABLES, FRUITS, AND IMPLEME 144 pages; published annually. 10 cents.

No. 3. Bliss's Illustrated Potato Catalogue.—Contains a list of 500 varieties of Potatoes, emb ing several new and very promising varieties, with explicit directions for culture, and much other va able information respecting this indispensable esculent. 10 cents.

No. 4. Bliss's Bulb Catalogue (Illustrated).—Published September 1st, containing a choice lection of DOUBLE AND SINGLE HYACINTHS, arranged in their several colors; TULIPS in many varie both double and single; POLYANTHUS NARCISSUS, CROWN IMPERIALS, JONQUILS, SNOW-DROPS, LILIES, 10 cents.

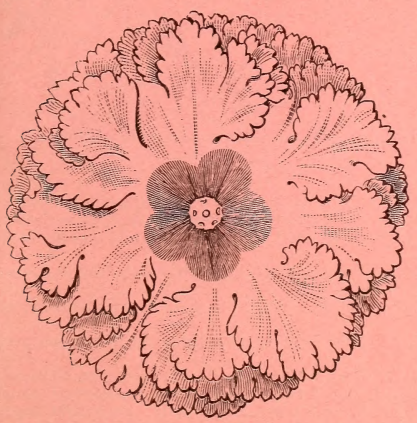
s's Catalogue of Fruit and Ornamental Trees, New and Rare Plants, and Se applicants.

SUPPLEMENT.

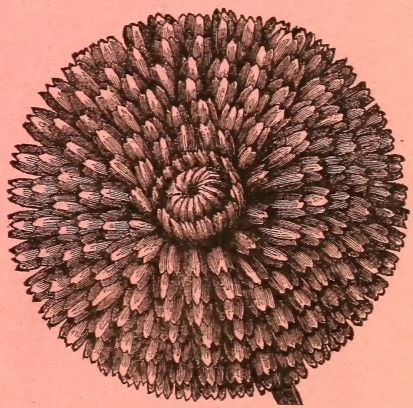
NOVELTIES, AND OTHER SEEDS OF SPECIAL MERIT, OF RECENT INTRODUCTION,

MANY OF WHICH ARE NOW OFFERED FOR THE FIRST TIME IN THIS COUNTRY.

☞ Novelties for 1881 are designated by *, and the descriptions given are as furnished by their respective growers.



Primula Sinensis Fimbriata Alba Magnifica.
No. 1544.



Calendula Officinalis fl. pl. Meteor.
No. 1528.

No. 1500. **Ageratum Lasseauxii.**—A lovely rose-colored variety of this beautiful bedding plant, fine also for pot culture. Packet 10 cents.

*No. 1533. **Antirrhinum majus nanus picturatum.**—A new and distinct race of Snapdragons, comprising varieties with diversely shaded and striped flowers, which are, at a distance, neither distinguishable from, nor for beauty surpassed by, the finest hybrids of *Penstemon Hartwegi*. Six fine colors, mixed. Packet 50 cents.

No. 1473. **Aquilegia, Californica hybrida.**—Flowers large, centre petals clear yellow, forming a very effective contrast to the deep orange red of the sepals and spurs. Packet 25 cents.

No. 1474. **Aquilegia, cœrulea hybrida.**—The centre petals are clear sulphur yellow, and the spurs and sepals a charming shade of pale blue. Perfectly hardy, and of good habit. Packet 25 cents.

No. 1501. **Asparagus, New Climbing.**—One of the finest of all the hardy climbers, and a very desirable trellis plant. It has the beautiful feathery foliage of the ordinary Asparagus, and for decorative purposes is invaluable. It is covered in the Fall with bright red berries, which form a beautiful contrast to the deep green foliage. The plant dies down to the ground, like the ordinary Asparagus, and makes a rapid growth in Spring. Packet 25 cents.

*No. 1534. **Aster, Victoria, white tinted with rose.**—To lovers of Asters this new variety will be especially welcome, as a delicately colored flower was just what was wanting in the Victoria assortment. This novelty is excellent for Autumn bedding, and the young flowers, which are particularly charming, are well adapted for bouquet-making. Packet 50 cents.

Asters, Washington.—Remarkable for, and distinguished from all other races of this family by, the enormous dimensions of its splendid convex-formed flowers, which often attain a diameter of 5 to 6 inches.

No. 1390. —— —— *white* and *peach* blossom, mixed. Packet 25 cents.
No. 1502. —— —— *silver gray*. Packet 25 cents.
No. 1503. —— —— *white* tinted with *rose*. Packet 25 cents.
No. 1503½.—— —— above colors mixed. Packet 25 cents.

No. 1535. **Calendula officinalis flore pleno "Meteor."**—A new Marigold, of a light golden yellow color, distinctly striped with intense golden orange; blooms from May until late in the Autumn. Packet 15 cents.

No. 1505. **Chrysanthemum, Lord Beaconsfield.**—Crimson maroon, edged and striped with gold, with a golden rim surrounding a rich brown eye. Packet 15 cents.

No. 1506. **Chrysanthemum, The Sultan.**—A rich, velvety crimson maroon, with gold-colored rim surrounding a fine dark brown centre. The flowers are of good substance, and perfect in form. Packet 15 cents.

Eulalia Japonica Zebrina.
No. 1509.

Ipomœa Quamoclit, Scarlet Ivy-Leaved.
No. 1512.

No. 1421. **Cineraria, new double flowering.**—This is unquestionably one of the finest florists' flowers that has been sent out for many years, they represent *crimsons* and *magentas*, in various shades, *purples*, both light and dark, as well as flowers tipped with different tints of *scarlet* and *magenta*, and perfectly double, habit very good. Price $1.00.

No. 1479. **Cineraria, large flowering, pure white.**—Remarkable for the pure *white* color and large size of the flowers and *dwarf* and elegant habit. Price 75 cents.

No. 1507. **Clematis hybrida,** from Jackman's finest hybrids. One of the finest trellis plants in cultivation. Packet 25 cents.

No. 1454. **Daisy, double white.**—Constant and perfectly double, remarkable for its superb pure *white* flowers. Price 25 cents.

*No. 1536. **Eschscholtzia Californica alba flore pleno.**—Except in color, this double white variety resembles the double golden yellow Eschscholtzia introduced two years ago, and is a novelty of real merit. We believe that it will, like its prototype, rapidly become a general favorite. Packet 50 cents.

*No. 1537. **Eschscholtzia carminea** *(Grandiflora rosea).*—A most charming variety of this deservedly popular section, with large flowers of an intense carmine; quite distinct from the well-known *Eschscholtzia Californica alba-rosea*, in which the exterior only of the petals is pale red. In habit of growth, foliage, and size of flower, this novelty is the counterpart of *Eschscholtzia Mandarin*, and, like it, blooms freely until late in the Autumn. Packet 25 cents.

No. 1508. **Eschscholtzia, New Double.**—The flowers are very double, of firm texture, and in color a bright orange scarlet, shading off to a salmon red. Packet 15 cents.

No. 1509. **Eulalia Japonica zebrina.**—This beautiful grass is a native of Japan. It grows from 3 to 4 feet high, and is said to be quite hardy. It has a grand appearance when in bloom, and is very valuable for growing as a single specimen or grouping with other plants. (See cut.) Packet 25 cents.

*No. 1538. **Gnaphalium decurrens.**—New Everlasting flower of branching growth, 8 to 10 inches high, with a main flower stalk measuring 24 to 30 inches in height. The flowers are white, and produced in thick clusters. It is a charming Immortelle, and grows freely in any garden soil. Packet 50 cents.

No. 1529. **Gomphrena globosa nana compacta.**—New Dwarf Globe Amaranthus. Of dense bushy habit, and very distinct; does not exceed 5 inches in height; the flowers are of a very rich deep violet red, and appear to much greater advantage than in the old sort. One of our most conspicuous annuals, and particularly fitted for pot-culture. Packet 15 cents.

No. 1510. **Gourd, miniature bottle.**—A small bottle-shaped variety; very ornamental. Packet 15 cents.

*No. 1539. **Helianthus nanus foliis variegatis** *(Dwarf variegated leaved Sunflower).*—This sunflower forms a bushy and pyramidal-shaped specimen, the greater part of the leaves of which are spotted and striped with yellow. For single specimens, groups, or for interspersing among other variegated species, this highly ornamental novelty will be found of great utility. Packet 25 cents.

No. 1511. **Hollyhock, Double White.**—Valuable for florists, also for the cemetery. Packet 25 cents.

No. 1512. **Ipomœa quamoclit, scarlet ivy-leaved.**—An elegant climber of rapid growth, and perfectly hardy. Stems slender, of a violetish color, leaves deeply lobated, flowers of a very striking fiery scarlet, and produced in great profusion during the whole Summer. Sow in April-May in the open ground; or in February-March on a hotbed, to have strong plants early in the season. (See cut.) Packet 15 cents.

No. 1543. **Iris Kæmpferi.**—An exceedingly beautiful and interesting plant, with immense flowers of every shade of color. (Roots 25 cents each.) Packet 25 cents.

No. 1513. **Loasa vulcanica.**—A hardy annual with caustic leaves, forming bushes from 3 to 4 feet high, covered with beautiful white star-like flowers of a most elegant and peculiar shape. Packet 25 cents.

No. 1530. **Marigold, new French, "Cloth of Gold."**—A charming variety, the result of many years' selection. The plant grows to a height of about 18 inches, and is literally covered with flowers, having bright gold bars evenly marked on the rich dark velvety petals. A splendid form of this popular flower. Packet 25 cents.

*No. 1540. **Mignonette, New Giant.**—This novelty presents a striking improvement in many of those characteristics so desirable in this very popular favorite. It is a rapid grower, remarkably compact in habit, and supplies a profusion of large spikes of exceedingly fragrant flowers. As it continues long in bloom, it is one of the very best for bee-keepers' and florists' use. Packet 15 cents.

*No. 1541. **Mignonette Golden Queen.**—An attractive and distinct variety of dense pyramidal habit of growth. It throws up very numerous flower stalks, terminated by spikes of golden yellow blossoms, with which the bright green foliage of the plant forms a pleasing contrast. Packet 50 cents.

No. 1515. **Pansy, Paris International.**—A superb strain comprising the magnificent varieties exhibited by M. Bugnet at the Paris Exposition, and selected as being the best of the numerous groups on exhibition. They will be found to comprise the most varied and pleasing forms of this favorite flower, many of them being equal to the finest show Pansies. Packet 50 cents.

*No. 1542. **Pansy, Snow Queen.**—*(Viola tricolor maxima candidissima.)* The flowers of this charming sort differ entirely from those of the ordinary White Pansy. They are of a particularly delicate satiny white, with a slight tinge of yellow towards the centre. As it reproduces itself exactly from seed, we warmly recommend it, not only for bouquets, but as a very valuable accession to the Pansy family. Packet 50 cents.

No. 1514. **Petunia hybrida nana compacta, new dwarf, Inimitable.**—An unusually profuse bloomer; seedlings, when only 3 inches in height, begin to unfold their charming flowers. It is unquestionably a most important novelty, for which, as a plant for market as well as for carpet bedding, a great future may be predicted. Packet 50 cents.

No. 1531. **Petunia hybrida robusta flore pleno.**—A most distinct and remarkable novelty. The plants are of **very compact** and symmetrical growth and attain a diameter of 14 inches by about 11 inches in height. The flowers, of which a large number belong to both the **smooth and fringed petaled** large-flowering double sections, comprise the whole of the beautiful shades of color characteristic of the genus, and so freely are they produced that a fully developed plant has all the semblance of an artificially made bouquet. It is also admirably adapted for pot-culture and for this purpose we strongly recommend it. Packets of 25 seeds, price 50 cents.

*No. 1544. **Primula Sinensis fimbriata alba magnifica.**—The horticultural press is unanimous in pronouncing this new Primula to be a great improvement on the older varieties. The plants are of compact habit and have deeply indentated light green leaves. They produce freely large trusses of pure white flowers with a citron eye and measuring 2½ inches across; they are of great substance and deeply and beautifully fringed. (See cut.) Packet $1.00.

No. 1519. **Statice cchioides.** Packet 10 cents.

No. 1520. —— **incana hybrida.** Packet 10 cents.

The above are two fine varieties of this useful plant for bouquets, of everlasting flowers and dried grasses.

No. 1516. **Stock, Hardy's All the Year Round.** This variety produces fine spikes of double white flowers from January to December. The plants grow about 12 inches high, and if plenty of room is given, 3 feet through, and will produce hundreds of blooms, fully 75 per cent. of which will be double. Packet 25 cents.

No. 1521. **Torenia Fournieri.**—A most charming half-hardy annual, bearing large sky-blue flowers, with three spots of a dark indigo blue and a bright yellow stain in the centre; sown from February to April in pots and kept under glass, it will flower profusely from June to September, or it will thrive equally well if planted out in the Summer months in open ground. Packet 25 cents.

No. 1522. **Torenia Bailloni.**—A particularly valuable species, at once distinguishable from the other Torenias by the size and the charming color of its flowers, which are of a bright golden yellow, with a deep brownish red throat. Packet 25 cents.

No. 1517. **Tropæolum Lobbianum Spit-fire.**—Flowers brilliant scarlet, very showy, and a most profuse bloomer; a fine trellis plant. Packet 15 cents.

No. 1518. **Tropæolum Lobbianum Spit-fire, brown.**—A new variety of the old favorite Spit-fire, distinct from it by the beautiful dark brown color of its flowers. A vigorous bloomer and remarkably adapted for decorative purposes. Packet 25 cents.

No. 1525. **Verbena candidissima.**—A pure white variety of this well-known plant, very desirable for florists or the cemetery. Packet 25 cents.

No. 1523. **Viola tricolor maxima quadricolor.**—*A new and magnificent Pansy.* The upper petals of the flowers are sky blue edged with violet, the lower ones are mostly purple, sometimes on a white, sometimes on a yellow ground, and often marbled and spotted with azure blue. Packet 25 cents.

No. 1524. **Viola odorata, "The White Czar."**—This is a new variety of the well-known Violet "*Le Czar*," so largely grown by florists and others on account of the size of its flowers, length of their stalks, their fragrance and their abundance. To these advantages the new variety adds the merit of having white flowers, which come into market at a season when white flowers are very scarce. Packet 25 cents.

No. 1526. **Xeranthemum annuum superbissimum** *(Everlasting flower).*—The flowers are as double as those of a Ranunculus, of globular shape, reddish purple, and entirely free from projecting marginal ray florets. The finest form of this flower yet obtained. Useful for perpetual bouquets. Packet 25 cents.

No. 1532. **Xeranthemum annuum superbissimum flore albo.**—The flowers of this new variety are white, as double and of the same globular form as those of the red variety. For dried bouquets, this variety is in great demand. Packet 25 cents.

NATIVE AMERICAN FLOWER SEEDS AND PLANTS.

We offer Seeds of several of the most beautiful varieties of our native plants, many of which are from the regions of the Rocky Mountains, comparatively but little known, and are well worthy of a trial. Collections of ten varieties $1.00.

Collection of native plants, 12 varieties, $3.50; 25 varieties, $6.00; 50 varieties, $10.00; 100 varieties, $15.00.

WILD GARDEN SEEDS.

The introduction of these the past season has proved a most marked success, and we are daily in receipt of the most satisfactory evidence of the estimation in which the wild garden is held, wherever this modest phase of floriculture has found a home. Any one who has planted and cultivated flowers in neatly laid out beds or carefully planned ribbon borders is aware of the amount of labor and constant attention necessary to produce the desired effect. To those who cannot give this care the "Wild Garden" presents a substitute which for its unusual and varied effects, for cheapness and the small amount of labor necessary for its construction, has no rival. "Wild Garden Seeds" is a mixture of over one hundred varieties of hardy Flower seeds, and being mixed together can be offered at a much less price than when sold in separate packets. No one who has not seen such a bed can form an idea of its possibilities, the different seasons of bloom insuring something new almost every day. Half-ounce packets, with full cultural directions, 25 cents.

NOVELTIES AND SPECIALTIES IN VEGETABLES.

The earliest and most prolific Dwarf-wrinkled Pea in cultivation.

Illustration is taken from a photograph, and shows one Vine half natural Size.

* The best Pea for forcing under glass, and unsurpassed for early sowing.

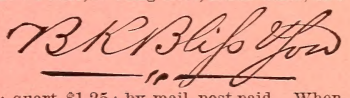
Extra Early, requires no bushing, and is of most exquisite flavor.

BLISS'S AMERICAN WONDER PEA.

This new and fine-flavored variety is a seedling, the result of a cross between the two favorite varieties, *Champion of England* and *Little Gem*, raised by Mr. Chas. Arnold, the well-known Canadian agriculturist. It combines all the good qualities of both of its parents, with the additional ones of superiority in flavor to the Champion and of greater productiveness than the Little Gem, besides being earlier than any other of the wrinkled varieties. Peas planted June 5th were ready for the table in thirty-three days from date of planting. On good soil, each vine will average twelve pods, and each pod six peas. Fifteen pods have been counted on some vines, and nine large peas in some of the pods, and every pod is well filled. The vine grows from eight to ten inches high, according to the soil and season. Having full confidence in the superiority of this variety, we bought the entire stock of the originator, and first offered them in the

spring of 1878, since which they have been tested in various parts of the world, and have met with the unqualified approval of all who have given them a trial. For the past two years the demand has been far greater than the supply, and we have been unable to fill one-half the orders we have received. We are happy to say that our crop has been unusually good the past season, so that we hope to be able to supply all who may desire with the *best Pea that has ever been produced.*

CAUTION.—We regret to say that another variety has been placed upon the market the past season under the name of "American Wonder," entirely unlike the one we offer, it being later, much taller, and inferior in quality and productiveness. We would, therefore, caution all of our friends in want of the genuine variety to call for **"Bliss's" American Wonder Pea,** and receive no other, and also to observe our fac-simile, which will be placed upon every packet.



PRICES—One-fourth pint package, 20 cents; pint, 65 cents; quart, $1.25; by mail, post-paid. When delivered at our store or sent by express at the expense of the purchaser: One pint, 55 cents; one quart, $1.00.

The following are a few of the testimonials received confirming its good qualities:

(From American Agriculturist, July, 1880.)

The "American Wonder" Pea.—Last year we had a very short row of this variety in a favorable season; this year we had a row over 200 feet long, in a most unfavorable season. Taking the two together we have formed a most favorable opinion of the "American Wonder," which is based upon these facts—1st, it is dwarf; 2d, it is early; 3d, it is productive; 4th, it is of most excellent quality. While our experience does not allow us to make a positive assertion, we have no doubt that it will be found to yield more from the same area than any other early pea, because it can be planted so much closer than the sorts that require brush. It grows only about a foot high, and each plant is well loaded with, in favorable seasons, long, well-filled pods. With us these have matured all together, allowing the crop to be taken at one picking—an excellent feature in a market pea; and while not considered so desirable in the family garden, it will not be found an objection when provided against by successive sowings. For quality on the table it is easily first-class. Messrs. B. K. Bliss & Sons deserve the congratulations of the whole gardening community for having introduced so excellent a variety of this popular vegetable.

From **A. A. Dunnicliff,** New South Wales, May 21st, 1879.—I exhibited at the late Inter-Colonial Exhibition, in Sydney, *Bliss' American Wonder Pea,* and they received a special diploma, being highly esteemed on account of their quality and earliness, so that they have quite eclipsed the best English varieties tested against them, and the product of the seed is grand in size and quality.

In alluding to the above, the *Sydney Morning Herald,* of April 22, adds: "Among vegetables specially worthy of notice was *Bliss's American Wonder Pea,* shown for the first time. It is remarkable for the rapidity of its growth, as it is ordinarily ready for the table in thirty-three days from the time of planting. Mr. Dunnicliff had three crops since September last."

(Extracts of letters from the well-known Seedsmen, Messrs. Sutton & Sons, England, and Ernst Benary, Erfurt, Prussia.)

Royal Berkshire Seed Establishment, Reading, England, July 16, 1880.

Messrs. B. K. Bliss & Sons: We have given a careful trial to the *American Wonder Pea* you were good enough to send us for trial, and we must say we are exceedingly pleased with it.

(Signed) **Sutton & Sons.**

Erfurt, Prussia, November 6th, 1880.

This new American introduction, for which we are indebted to Messrs. Bliss & Sons, New York, has with us proved to possess in every respect the good qualities for which it was recommended. Not only is it the earliest of all the marrow kinds, but it is at the same time the dwarfest of all Peas, attaining a height of 8 inches only. Despite its pygmean stature, it has shown itself to be a heavy cropper, each plant having borne on an average 10 to 12 well-filled pods. The dark green foliage lends to the plants a pleasing appearance. The flavor of the peas being furthermore particularly fine, I do not hesitate to highly recommend this valuable and distinct American introduction as in every way worthy of general adoption."

(Signed) **Ernst Benary.**

From **J. W. Acres, B. A.,** Paris, Ontario, Canada.—It is "First Early," and bears a pod larger than any I have yet seen produced by a dwarf pea. The pod is *completely* filled with *large* peas of *superior* flavor. I have spared no expense in procuring and testing the best varieties during the past fifteen years; this is, in my opinion, one of the most desirable I have ever grown.

From **T. H. Hoskins, M. D.,** Newport, Vt.—Regarding the *American Wonder Pea,* I find it all that you have claimed it to be. The earliest by a full week of all the green wrinkled varieties, very productive, and of the highest quality. It is the most valuable contribution yet made on either side of the water to the list of Garden Peas in its class.

From **Peter B. Mead,** Mamaroneck, Westchester Co., New York, Nov. 6, 1880.—*Gentlemen:* I have grown your *American Wonder Pea* for the past two seasons, and have been very much pleased with it. It is well named. I found it to be one of the earliest of the extra early Dwarf Peas, more productive and of the best quality. Its productiveness is wonderful, and I suppose gave rise to its name. It deserves a place in the garden at the head of the Dwarf Peas.

From **F. M. Hexamer,** Newcastle, Westchester Co., New York, Nov. 1, 1880.—*Bliss's American Wonder Pea* is just what those need who want a supply of the best Peas, early, late, and at all times, with the least possible amount of labor. I have grown this variety during three seasons, and like it better with each succeeding year. Its dwarf habit, which makes brushing needless, admits of very close planting, and its quick maturing character allows the raising of several crops, during one season, on the same ground.

NEW ENGLISH PEAS.

Pea, Culverwell's Telegraph.—This is an extraordinary acquisition, the Peas often being so close together as to appear to be forming a double row in the pod. It is likely to be the forerunner of a new type of this indispensable summer vegetable. It is a cross between "Veitch's Perfection" and "Laxton's Prolific"; a fine second early variety, very robust in habit, bearing immense pods containing **10** to **11** very large Peas in each pod; height, 5 feet; the peas, when cooked, of a fine deep green color; a great bearer, and of fine flavor. Price, packets, 25 cents; 5 packets for $1.00.

Pea, Carter's Telephone.—Selected from the Telegraph, from which it differs in the seeds being wrinkled, whilst the quality is very superior. It is an extraordinary cropper, bearing immense semi-double pods full of large peas of exquisite flavor. Price, packets, 25 cents; 5 packets, $1.00.

ADDITIONAL VARIETIES OF SPECIAL MERIT.

Asparagus, Smalley's Early Defiance.—This variety is described by the raiser as follows: "Sprouts of a pale green, of good size, tender, and of delicious flavor, and can be cut two weeks earlier than any other variety, making it very desirable, either for private growers or market gardeners." Packets, 25 cts.; oz., $1.00; ¼ lb., $3.50; 1 lb., $12.00. Roots, 1 year, 50 cts. per doz.; $3.00 per 100; 2 years, 75 cts. per doz.; $5.00 per 100.

Durra *(Sorghum Vulgare)*.
(For description and price see page 113).

Cabbage, New Russian Hardy.—The great value of this variety as a winter vegetable has been thoroughly tested, it having frequently remained uninjured by the effects of very severe winters, all the other varieties being utterly destroyed. It is perfectly distinct, the leaves having the appearance of a deer's antlers, and singularly thick and of a peculiar sea-green color. Per packet, 25 cents.

Cabbage or Kale, Thousand-headed.—The crop that this excellent variety of cabbage produces is a most abundant one, and much liked by cattle or sheep. It grows well on any land, and reaches a height of from three to four feet, the stem being covered with leaves, which form small heads. It is not affected by slight frost, and by sowing and transplanting at proper times it can be made to come in all the year round in the Southern States or on the Pacific coast. **It is invaluable for Sheep-Feed.** One oz. packets, 20 cents; 4 oz., 60 cents; lb., $2.00, by mail.

Celeriac, Apple-shaped.—Of a very regular, almost spherical shape, with a fine neck and small leaves; may be planted very thick, and will give a heavy crop by the acre. A valuable variety for the market on account of its fine and regular form and excellent quality. Packet, 10 cents; oz., 25 cents.

Celeriac, Turnip-Rooted, Tom Thumb.—A dwarf variety particularly recommended for forming edgings or plantings or sloping banks in the kitchen garden. Packet, 25 cents.

Corn, Dolly Dutton.—For description and price see page 80.

Corn, Queen of the Prairie.—A variety of Yellow Dent Corn which originated in one of our Western States, and has been carefully selected by the grower for several years, and has proved one of the earliest varieties of Field Corn in cultivation. It was planted the last season after the wheat crop had been harvested, and matured the crop perfectly. It was also planted on Long Island, July 4th, and fully matured the first of October. Selected ears, 25 cents; 3 lbs., by mail, post-paid, $1.00; shelled, $1.25 per peck; $3.50 per bushel.

Kohi Rabi, White Giant.—Extra fine quality, grows to a very large size, very productive. Packet, 10 cents; ounce, 25 cents; ¼ pound, 75 cents; pound, $2.00.

Maxixe.—This new vegetable is from Brazil, where it is extensively used, either raw, as a salad, or cooked. It may be fried in butter like the egg plant. It is also used boiled with meat or fish, and in soups. It may also be sliced and eaten with vinegar like the cucumber. For pickles, when about half or two-thirds grown it will be found particularly desirable. It should be planted on light, warm soil, and treated precisely like melons or cucumbers. Price per packet, 25 cents; 5 pkts., $1.00.

BAY VIEW MELON.

The largest, most prolific, best flavored, and finest cantaloupe in cultivation.

With ordinary cultivation it will grow from 10 to 15 pounds in weight, while, with extra cultivation, it will weigh 17 to 20 pounds, with a length of from 16 to 18 inches.

In quality and flavor, the Bay View excels all other varieties of cantaloupes. It is peculiarly luscious and sweet.

It will yield from 3000 to 4000 melons, or from 15 to 20 *tons*, or more, to the acre. It is the most hardy melon known.

As a market-melon, wherever introduced, it sells at extra prices, on account of its beauty, size, and fine quality. It is only about five days later than the small early Jenny Lind. It can be picked quite green, will ripen up finely, and carry safely for a long distance. Per packet, 15 cents; ounce, 40 cents: pound, $4.00.

Bay View Melon.

New Surprise Melon.

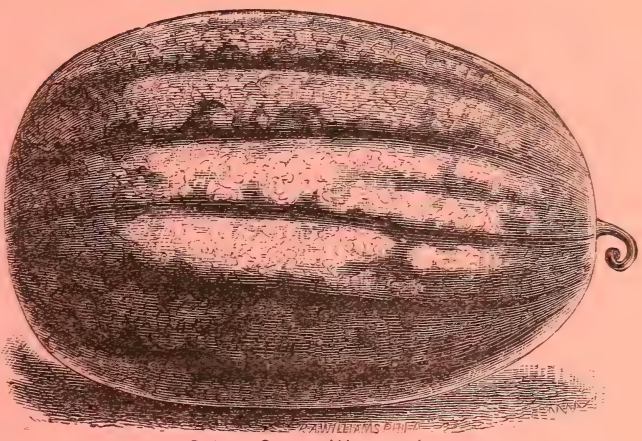
NEW SURPRISE MELON.

This new melon has a thin, cream-colored skin, thickly netted; the flesh is of a deep salmon color, very thick, and of exquisite flavor; a good bearer; round in shape, and early. All those who have tasted it pronounced it, without exception, the finest they have ever eaten. The seed we offer is saved from the finest specimens. Per packet, 15 cents; ounce, 40 cents; pound, $4.00.

Pea, Challenger.—This excellent variety is one of the handsomest, most prolific, and best flavored Peas in cultivation. *It is a magnificent Exhibition Pea*, and will speedily find favor amongst growers for market by reason of its fine, handsome pods, productiveness, and dwarf habit. It is a dwarf, dark-green marrow, growing about 2 to 2½ feet in length, and the entire haulm is literally covered with pods. Price, packets, 25 cents; per pint, $1.25; by mail, post-paid.

VEGETABLE NOVELTIES FOR 1881.

CUBAN QUEEN WATERMELON.



Cuban Queen Watermelon.

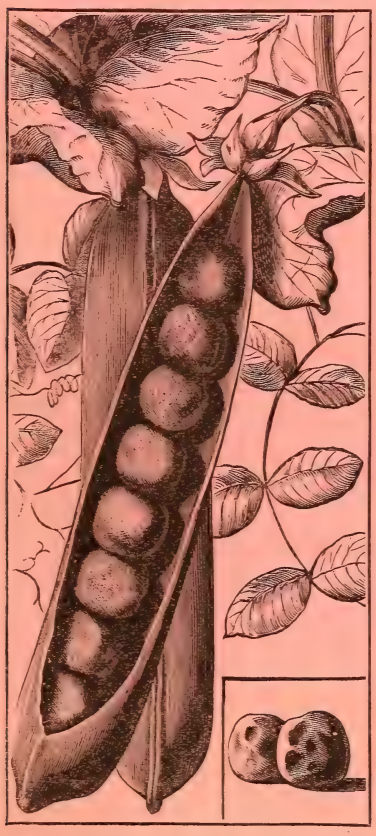
This magnificent new melon is certainly the largest and finest variety ever introduced, and was the admiration of all during the past season. The skin is beautifully striped, dark and light green, of the latter there being two shades agreeably diversified. The vines are very strong, healthy and vigorous in growth. The flesh is bright red, remarkably solid, peculiarly luscious, crisp and sugary, and in delicious flavor is unsurpassed. It is an excellent keeper, and although the rind is unusually thin, being scarcely more than half an inch thick on a melon of enormous size, will bear transit to distant markets well. Their great size, handsome appearance, thin rind, red flesh, and delicious taste are so captivating that they cannot fail to bring extra prices wherever put on sale.

Sold only in sealed packets, with the above engraving printed on each.

PRICE—25 cents per packet of 15 seeds; 5 packets for $1.00. Every purchaser is entitled to compete for

Fifty Dollars in Premiums,

to be awarded as follows:—$25.00 to the grower of the largest Cuban Queen watermelon; $15.00 to the grower of the second largest; and $10.00 to the grower of the third largest. All reports, which must be signed by three witnesses and sworn to before a Justice, to be sent us by October 15th, 1881, and on November 1st the cash will be forwarded to those entitled to it. We reserve the right of ordering the prize-winning Melons shipped to us, for exhibition, expenses of transit to be defrayed by us.



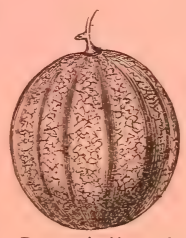
Day's Early Sunrise Pea.

DAY'S EARLY SUNRISE PEA.

This is a new and distinct variety from England, and is one of the earliest marrow Peas. During the past season, it has been tested by many eminent gardeners, who were unanimous in pronouncing it exceedingly prolific, and of superb quality. It is a white wrinkled marrow, very large for an early Pea, and of fine flavor; while in constitution and habit it is hardy and robust. It is from 2½ to 3 feet in height; the pods, which are long, large, and well filled, are produced in pairs, and almost completely cover the haulm. By its grand size and quality it is specially adapted for market gardeners and for field culture.

PRICE—¼ pint packets, 30 cents; pint, 80 cents; quart, $1.50; by mail, post-paid. By express or otherwise: Pint, 70 cents; quart, $1.25.

BURPEE'S NETTED GEM MUSK-MELON.



Burpee's Netted Gem Musk-Melon.

This melon, although now offered for the first time, has been thoroughly tested, and is considered a most valuable acquisition. In form it is almost a perfect globe, and the entire crop is remarkably uniform both in size and shape. The skin is green, regularly ribbed, and thickly netted; the flesh is light green, melting, and of luscious flavor. It is *extra early, very prolific*, keeps well from five to seven days after picking, and cannot fail to prove the most profitable small musk-melon that can be raised. **Price 25 cents per packet; five packets for $1.00.**

PERFECT GEM SQUASH.

This variety, unlike anything before offered, is excellent both as a summer and a winter squash. It has all the properties of the best of both classes. It is a vigorous grower, and wonderfully productive. Its habits are somewhat peculiar. After setting the squashes near the root, like the bush varieties, it commences to run, and the vines often attain a length of twenty feet, and are very thick and strong, branching in a similar manner to the Ornamental Gourd, and often bearing quite as abundantly. The squashes are from four to six inches in diameter, flattened, of a creamy white color, slightly ribbed, and have a thin, smooth skin. The flesh is fine-grained, and when cooked is dry, very sweet, and has a delicious flavor, entirely free from that strong taste common to all of the winter squashes. It is remarkable for its keeping qualities. In a dry, cool room, free from frost, they may be kept until spring. In short, it is justly entitled to the name given it, being equal to the best bush or marrow squash for summer use, and better than any other for winter. A good keeper, very productive, a free grower, and worthy a place in every kitchen-garden. Price, 25 cents per packet; five packets, $1.00.

Perfect Gem Squash.

New Improved Dwarf Okra.

NEW IMPROVED DWARF OKRA.

This is an improvement on the old Okra, and promises to be quite an acquisition. It grows but fourteen inches high, has long, slender pods, and is very productive. Per packet, 25 cents; 5 packets, $1.00.

Soja Bean (*Soja Hispida*).—The numerous trials made of this Bean have proved it to be perfectly hardy and valuable for feeding purposes. The stems are stiff, and the pods are produced in bunches of from two to five, and contain four smooth nankeen colored seeds. The foliage and stem make excellent forage, and the seeds, which contain about 18 per cent. oleaginous matter, are highly nutritious. This Bean is an essential ingredient of the celebrated *Soja* sauce. Two feet should be allowed between each plant. Price, per packet (¼ pint), 25 cents.

Tomato—Livingston's Perfection.—For description and price, see page 102.

POTATOES, NEW VARIETIES.

Adirondack, Extra Early Peach Blow, Queen of the Valley, White Star, and New Early Golden Sweet Potato.—For description and prices, see pages 93 and 96.

Radish, Scarlet Turnip, White Tipped.—A very early variety; color, bright scarlet, tipped with white, presenting a beautiful appearance upon the table; an excellent market variety; fine for forcing. Packet, 10 cents; ounce, 20 cents; ¼ pound, 40 cents; pound, $1.00.

Radish, White Giant Stuttgart, Summer.—Very early and remarkable for its quick growth; in five to eight weeks after being sown it will produce roots as large as a purple winter radish, and of most excellent quality. Price, 10 cents per packet; ounce, 20 cents; ¼ pound, 50 cents; pound, $1.50.

Spinach, Savoy-Leaved.—One of the best market varieties. The leaf is large and curled in some respects like the Savoy Cabbage. It is much more productive than the ordinary variety, hardy, tender, and well-flavored. Ounce, 10 cents; 4 ounces, 20 cents; pound, 50 cents.

Squash, Low's Premium Turban.—This *new* and very *excellent* Squash is a cross between Hubbard and American Turban, having the color, shape, and *superior qualities* of the Turban, with the *dryness* and *hard shell* of the Hubbard. It is not only one of the *richest flavored, finest grained*, and *sweetest* of all the squash family, but one of the *very best keepers* we have. The *flesh* is very *thick, rich colored*, and *solid*, and it is one of the most *productive* Squashes *ever introduced*. It being earlier than any other running variety, can be planted later in the season, or, as a *second crop*, following early peas, potatoes, and cabbages. Per packet, 15 cents; ounce, 30 cents; ¼ pound, 75 cents; pound, $2.50.

Turnip, Extra Early Purple-top Munich.—A remarkably handsome and very early Turnip, with a bright purplish-red top and fine mouse-tail root. Very distinct and valuable. It has proved to be quite *three weeks* earlier than any other variety sown on the same day side by side with it. Per packet, 25 cents.

. GOETHE
SCHILLER.
BEETHOVEN
NDELSOHN

NEW GERMAN PANSIES

From B. K. BLISS & SONS' Gardeners Hand-Book.

5. MOZART
6. HAENDEL
7. HAYDEN
8 SCHUMANN

Our Colored Plate.

NEW GERMAN PANSIES.

We take much pleasure in offering to lovers of this favorite flower an entirely new strain which is a wonderful improvement over any before offered in this country. The group on the opposite page is no fancy sketch, but **true to nature in size and in colors,** so far as it is possible to reproduce them, although the tints are far richer and more delicate in nature than in the plate.

The flowers from which these were painted were grown in the vicinity of New-York the past season.

The seed we offer is grown in Germany by one who has made this flower a specialty for many years, and is unapproachable in quality.

We offer the seed in separate varieties, in collections, and mixed packets. It must not be expected, however, that the seed of the different varieties will produce flowers exactly like those represented, though saved from such plants, as they often assume different markings. The predominating shades are usually retained, with markings frequently finer than the specimens figured.

Dr. Thurber says in the "American Agriculturist" for June: "No doubt that many who have seen the colored plate illustrating Pansies, and published by Messrs. B. K. Bliss & Sons with their catalogue, have supposed that the artist had exercised his imagination, both as to size and the strange combinations of colors. So far from this being the case, the flowers are, if anything, rather below the real size, and as to colors, it would be impossible to conceive of any artificial colors more brilliant, or more strangely contrasted, than they are in flowers produced by the remarkable strains of seeds secured by Messrs. Bliss & Sons. Some of the blooms are as near black as it is possible for a flower to be, and of a velvety texture of great richness."

They have also attracted a great deal of attention at the recent monthly exhibitions of the N. Y. Horticultural Society.

Directions for cultivation printed upon each packet.

PRICES:

Collections of the eight varieties, 50 seeds each, - - - - - - - - $3.00
Purchaser's selection of either variety, per packet of 50 seeds, - - .50
Mixed packets, 50 seeds, - - - - - - - - - - - - - - - - - - .50

Every subscriber to the "American Garden" for 1881 (new volume of which commences in April) will be presented with a colored plate similar to one on opposite page, but on a large sheet (8x12) suitable for framing; also, a packet containing 25 seeds of the same choice strains of Pansies. For further details see page 139.

B. K. BLISS & SONS.

ESTABLISHED 1845.

B. K. BLISS & SONS,

Illustrated Hand-Book

FOR

THE FARM AND GARDEN

FOR

1881

CONTAINING A LIST OF THE BEST KNOWN AND MOST POPULAR VARIETIES OF

GARDEN, FIELD & FLOWER SEEDS,

SELECTED FROM OUR LARGE ASSORTMENT OF NEARLY

THREE THOUSAND VARIETIES

WITH BRIEF DIRECTIONS FOR THEIR CULTURE.

PUBLISHED ANNUALLY BY

B. K. BLISS & SONS,

IMPORTERS AND GROWERS OF

Garden, Field and Flower Seeds, Dutch Bulbous Roots,

SUMMER FLOWERING BULBS,

And Dealers in Agricultural and Horticultural Books, Implements, Fertilizers, and General Garden Requisites,

34 BARCLAY STREET, NEW-YORK.

TO OUR PATRONS.

WITH the advent of another year comes the opportunity of again greeting our numerous patrons, and placing before them a new issue of our **HAND-BOOK FOR THE FARM AND GARDEN,** *the pages of which will be found replete with the most recent and accurate horticultural knowledge, presented in a form sufficiently concise to render it of inestimable utility to all interested in horticulture, whether for pleasure or profit.*

We recognize, with much pleasure, many acquaintances, who have for years regularly intrusted us with their valued orders, and most cordially thank them for their long-continued confidence. Nothing can give us greater satisfaction than a recognition of our efforts, by a continuance of this pleasing relationship. We owe a word to those of our friends who in so many instances have recommended us to others. Individual acknowledgment is impossible, but our gratitude for the attention is none the less.

We do not consider it necessary to publish extracts from the many unsolicited testimonials received, but refer to our extensive and constantly increasing business, as evidence that our endeavor to supply the very best seeds at moderate prices is duly appreciated.

It is gratifying to be able to announce that the past season has been a favorable one for the growth and harvesting of most of our seed crops. All our stocks have been harvested in excellent condition, and we are confident of our ability to supply seeds that will give undoubted satisfaction.

Several varieties of Cabbages, Celery, Onions, and Peas have been somewhat limited in yield, necessitating a slight advance on former prices. With these exceptions, prices average about the same as last season.

Novelties *in the horticultural world are numerous, but scrupulous care is requisite to guard against the introduction of those that are not of real merit. In this respect we have been peculiarly fortunate, many of the varieties introduced by us being to-day found in the vanguard of Vegetable and Floral specialties. Significant evidence of their worth is the fact that favorites of former years are rapidly receding, to give place to our recent introductions.*

The Potato *has ever claimed our vigilant care, and how well our efforts to improve this indispensable tuber have been repaid, is best evidenced by the fact, that not only throughout our own country, but all over Europe, and even in the far-away antipodes, such names as* **Early Rose, Brownell's Beauty, Snowflake, Superior, Triumph, Trophy, Pride of America, Matchless,** *and other varieties introduced by us, are now household words. We would invite particular attention to the new varieties we offer the present season—***Extra Early Peach Blow, White Star,** *and* **Adirondack**—*which will compare favorably with any variety hitherto offered.*

Of equal importance are the **Cereals,** *to which we have given our attention. With several of the leading varieties of* **Wheat,** *our name has become associated, and we are confident they will become standard sorts.*

Bliss's American Wonder Pea *takes rank as the best early pea ever introduced. So rapidly did the merits of this variety award it the highest place in public estimation, that each successive season has found us unable to supply the extraordinary demand. We have reason to believe that owing to this short supply, other than the* **genuine** *Bliss's American Wonder Pea has been sold. We therefore consider it our duty to caution the public to guard against the possibility of having any other variety substituted for a pea so pronounced in character and quality as to have already received the plaudits of every grower who has had the opportunity of testing it, alike in this country and in Europe. We would caution all our friends in want of the genuine variety, to call for* **"Bliss's" American Wonder Pea,** *and receive no other, and also to observe the fac-simile of our signature, which will be placed upon every packet.*

Turning to the no less important department of **Floriculture,** *an array of popular favorites, that we had the honor of first introducing, present themselves. Pre-eminent among them stand the* **Lilium Auratum, Lilium Krameri, Lilium Hansoni,** *etc., while* **Ipomea leptophylla, Aquilegia chrysantha,** *and that much-prized strain of* **Double Petunia,** *selected personally from the finest collection in Europe, have all proved equal, if not superior, to our recommendation.*

We have been fortunate in again securing several novelties for introduction this Spring, all of which we believe will be found valuable acquisitions. Several are of home origin, while those from abroad have been selected by our senior partner while in Europe the past Summer.

Those who desire a more complete and descriptive list we would refer to our **Illustrated Seed Catalogue and Amateurs' Guide to the Flower and Kitchen Garden. 24th Standard Edition.** *This contains over* **200 pages of closely printed matter,** *which is of immense value to all persons having a farm or garden, with* **two elegant chromos** *of the most beautiful flowers in cultivation. It contains a list of over* **2,000 varieties of Flower and Vegetable Seeds,** *with full directions for their culture, and over 600 illustrations of flowers, vegetables, tools, and other articles, useful and ornamental, for the conservatory, garden, and farm.*

In fact, the **Amateurs' Guide** *contains as much valuable information upon the subject of gardening generally, for amateurs, as many books for which $1.00 or more is asked.*

It will be mailed post-paid for 35 cents. It is also published in a more substantial form, neatly bound in muslin, and contains **two large and beautiful chromos** *of favorite flowers. The price of this* **bound edition** *is $1.00 by mail, post-paid. Purchasers of seeds in packets to the amount of $5.00 at Catalogue prices are entitled to this edition, and fifty cents worth of seeds, as premium, or to their selection of seeds in packets to amount of $6.50, as offered on page 3.*

Purchasers of seeds in packets to the amount of $2.00 at Catalogue prices are entitled to either a copy of the Amateurs' Guide (paper cover), their selection of seeds in packets to the amount of $2.50, the chromo similar to the frontispiece in our Amateurs' Guide, or that in our Hand-Book, printed on heavy paper, large size, suitable for framing.

Extra copies of the chromos on heavy paper, suitable for framing, will be mailed post-paid for 50 cents each. Our Hand-Book is published for the benefit of our customers, and each new edition as issued will be forwarded gratuitously, without application, to customers of the previous year, whose names are recorded on our books. Should any of our customers receive more than one copy, we will esteem it a favor if they will give it to some of their neighbors interested in the cultivation of Flowers or Vegetables.

A FEW REMARKS TO PURCHASERS.

AS the seed season continues only for a few months in the year, there is, of course, a great pressure of business just at the *sowing season*. Except in cases of extreme urgency, all orders will be executed in strict rotation as received. We would, therefore, feel greatly obliged if our customers will kindly forward their orders as soon as possible after the receipt of this Catalogue. This would greatly facilitate operations, and ensure greater attention. We use every possible precaution to prevent any error being committed in the execution and transmission of orders, and in the weights and measures. Should any deficiency occur, either by press of business or accident, we earnestly desire our customers to inform us of the fact. Such irregularities rarely occur, but it is almost impossible to escape a few, in the hurry and haste of a busy seed season. We crave indulgence should there be a brief delay, and at the same time will do our utmost to prevent it.

SEEDS, BULBS, ROOTS, PLANTS, Etc., BY MAIL.

Post-paid to all parts of the United States. The freight on all parcels by Express to be paid by the purchaser, unless by special agreement. The cost of collection and return charges will be added to bills sent C. O. D.

THE postage law authorizes the sending of BULBS, FLOWER ROOTS, CUTTINGS, and SEEDS, and various ARTICLES OF MERCHANDISE, at the rate of *one cent per ounce*, package *not to exceed four pounds weight*. Under this law we are enabled to forward many other articles besides Seeds and Bulbs that are enumerated in our Catalogue by mail instead of express, by which a great saving can be effected to those of our patrons who reside at a distance. Articles exceeding four pounds in weight must be sent by express as heretofore.

WE WOULD PARTICULARLY REQUEST OUR PATRONS TO STATE WHETHER IT WILL BE CONVENIENT FOR THEM TO RECEIVE THEIR ORDERS **by express, and to give their nearest express office.** Upon either of the following lines, by a special agreement with the Adams, American, National, and the United States Express Companies, we are enabled, BY PREPAYING CHARGES, to send packages to all points on their routes at reduced rates. It is often more convenient for us to send by express, prepaying charges, than to send by mail in several packages. Customers will please not understand by this that we agree to pay ALL express charges on any articles they may order, only that we reserve the right to send by express (prepaying charges) goods offered free by mail, provided, of course, it is convenient for them to receive them by this method.

In giving orders please state explicitly by what conveyance they are to be forwarded, and if by express or railroad, the names of the parties to whose care they wish them consigned at the various places of transhipment. When no particular route is designated, we forward according to the best of our judgment. **Orders from unknown correspondents, to insure attention, must invariably be accompanied with cash or a satisfactory reference.**

ALL ORDERS MUST BE ACCOMPANIED BY A REMITTANCE.

IN making a remittance, purchasers will please be particular and send a sufficient **amount to cover their orders. When only a part of the amount is remitted, goods will be sent only to the amount of the remittance. Should the remittance exceed the amount of the goods sent, the balance will be returned to the purchaser with the goods.** We have been compelled to adopt this rule on account of the inconvenience and expense of collecting small balances due from many of our patrons at the close of our business season. Remittances can be made in current Bank-bills, Post-Office Orders, Registered Letters, or by drafts on New York, Boston, or Philadelphia. Post-Office Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are surest to reach their destination. **We will guarantee the safe arrival of all packages when orders are accompanied with a Draft on New York, Registered Letter, or Post-Office Order.** The cost of the Post-Office Order, Draft, or of Registering the Letter may be deducted from the remittance on orders amounting to $2.00 and upwards.

N. B.—We earnestly request our correspondents to be particular and give their NAMES, POST-OFFICE ADDRESS, COUNTY AND STATE IN FULL, DISTINCTLY WRITTEN. We are in daily receipt of orders deficient in some one of these important requisites, and very frequently from prominent men of business, who not only forget to sign their names, but omit their place of residence, often causing a delay of weeks in the execution of their orders, greatly to their inconvenience, as well as our own. We are in possession of many letters, the accumulation of former years, with money enclosed, without signature or place of residence, the writers of which probably considered themselves badly swindled by not receiving their goods. Orders may be addressed to **B. K. Bliss & Sons, Box 4129, Post-Office, New York.** Please be particular, and give the address in full, as letters are often miscarried by not being properly directed. For the convenience of our patrons, and to prevent errors, we have prepared an order-sheet, all ready for filling out, also an envelope upon which our address is printed, which will be sent with each copy of the Catalogue. Purchasers will please use the order-sheet according to the directions, and enclose the same with remittance in the envelope, and return to us.

GREAT INDUCEMENTS FOR THE FORMATION OF CLUBS.

Purchasers remitting	$1.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		$1.20
Purchasers remitting	2.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		2.50
Purchasers remitting	3.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		3.75
Purchasers remitting	4.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		5.00
Purchasers remitting	5.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		6.50
Purchasers remitting	10.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		13.00
Purchasers remitting	20.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		27.00
Purchasers remitting	30.00	may select Seeds, *in pkts.*, at Catalogue prices, amounting to		40.00

No variation whatever will be made from the above rates. Prices to Dealers, whose orders exceed the above amounts, will be given upon application.

We wish it distinctly understood by our correspondents that the above discount will be allowed only upon FLOWER AND VEGETABLE SEEDS IN PACKETS. SEEDS, WHEN ORDERED BY THE OUNCE OR POUND, PLANTS, ROOTS, OR BULBS, WILL NOT BE INCLUDED.

DIRECTIONS FOR SOWING AND RAISING SEEDS.

A MELLOW loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotten manure and leaf mould, is adapted to the generality of flowering plants. Previous to digging flower beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to a better advantage.

All kinds of annual flower seeds may be sown in the months of April and May; the beds should be leveled and the seeds sown either in small patches, each kind by itself, or in drills. It is particularly requisite that seeds should not be sown too deep, from whence arise most of the failures of inexperienced gardeners. Some of the larger seeds, such as *Lupins, Sweet Peas,* &c., should be planted about three-quarters of an inch deep; other varieties from a quarter to half an inch deep, according to the size or nature of the seed. In about a month, more or less, many of them will be fit to transplant. Take advantage of cloudy and rainy weather; move the plants carefully with a trowel; the smaller kinds set in front, the larger in the rear; if the weather be dry and sky cloudless, give a little water, and cover for a few days.

The best method to obtain an earlier bloom of the more tender Annuals, such as *Schizanthus, Cockscomb, Ice Plant, Sensitive Plant, Cypress Vine, Thunbergia, Globe Amaranthus, Verbena,* etc., and insure strength to the plants, is to sow the seeds in pots early in March, placing them in a warm greenhouse window, or plunging them into a moderate hotbed, carefully protecting them from the cold, shading them from the midday sun, and watering them very carefully with a finely-pierced watering can. The seed should be sown in very light, sandy compost, and the pots well drained by placing broken earthenware and rough sods in the bottom; the finer seeds must not be planted more than a quarter of an inch deep, and the soil pressed down very closely over them. Water frequently, as above recommended, particularly if the house or frame is very warm. As soon as the seed leaf is fully developed, transplant into small pots, three or four in each, and when they have acquired sufficient strength, transplant into the flower beds, not, however, before the middle of May.

The less delicate, such as *Ten Week Stock, Pansy, Nemophila, Phlox, Double Balsam, Cacalia, Dahlia, Centaurea, etc.,* may be sown and transplanted as above, but must be kept rather cooler. The finer varieties of *German Asters* should be sown in pots towards the end of April, pricked off into smaller pots in June, and transplanted.

Hardy Annuals, such as *China Asters* (not the finer German sorts), *Purple Sweet Sultan, Sweet Alyssum, Mignonette, Marigold, Gilia, Ipomea, Larkspur, Sweet Pea, Clarkia,* etc., will succeed well in a border of natural earth, if sown the first week in May, but they will flower a month earlier if assisted by glass. If some of the *Hardy Annuals* be sown in September, they will become strong enough to survive the Winter, if protected with a slight covering of straw, or litter; and when transplanted in Spring will flower earlier and stronger.

Hardy Biennials and Perennials may be sown at the same time with the Annuals. As they do not blossom the first year, they may be thinned out, or removed from the seed beds as soon as they are well rooted, and planted either into different parts of the garden or into a nursery bed, in rows, a foot or more apart; keep them clear of weeds by hoeing and stirring the earth occasionally, which will greatly promote their growth, and prepare them for transplanting into the permanent blossom beds, either in the Autumn or the following Spring. *Biennials* are raised principally from seed sown every year. Some *Perennials* and *Biennials* may be sown in September, or as soon as ripe; and if the plants get strong before the setting in of Winter, most of them will flower the next Summer. In transplanting, take care to preserve some earth to their roots, and tie the tall growing kinds to neat poles or rods. Remove decayed plants, and replace them with vigorous ones from the nursery bed. Keep all the beds free from weeds, and the walks clean and neat.

Seeds of Greenhouse Plants, especially *Calceolaria,* require extra care in sowing, as the seeds are very fine and delicate. The pans must be well drained, say half filled with crocks, and on this a layer of rough fibrous peat or turf, and fill up with compost of the following proportions:—two-thirds light rich loam, one-third peat, silver sand, and thoroughly decayed cow manure, the whole well mixed together. Make the surface as smooth as possible, and sprinkle a little silver sand over it, water with a fine rose: after the pans have thoroughly drained, the seed must be very evenly and carefully sown—it will require no covering. After sowing, place the pans under a glass in a close frame (it will require no artificial heat), keep shaded, as exposure for a short time to the sun's rays is often enough to scorch the delicate leaves and rootlets of the seedlings. Directly the plants are large enough to handle, they must be pricked into other pans, which have been prepared in the same manner as for seed sowing, and allowed to grow till they touch each other, then shifted into small pots, and replaced in close frame; as soon as the roots fill these pots it will be necessary to re-pot in larger sizes. They will now do, if replaced in frames or put on shelves in the greenhouse near the glass; water regularly, re-pot and stake when required. If troubled with green fly, select a quiet evening and fumigate with tobacco paper.

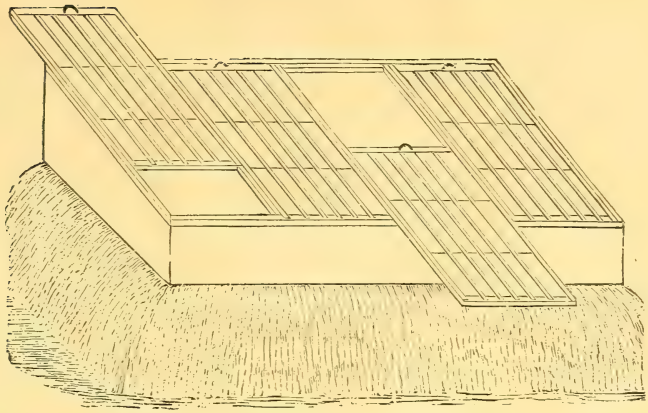
These remarks will apply also to the cultivation of the *Cineraria, Chinese Primrose, Carnations,* and many other rare seeds, except that they are more hardy, and will thrive with less care. The seeds being larger will require a light covering of finely pulverized soil.

Seeds of Trees and Shrubs require careful treatment. Most failures arise from not sowing them in PARTIAL SHADE. If hot bursts of sun come on the seed beds while the seeds are swelling, and cold follows, many seeds are liable to rot before they appear above the surface. For raising seeds on an extensive scale, many now use artificial arbors, tall enough to work under. For smaller lots, brushwood, or a thin shade of corn-stalks, on a skeleton frame, is an excellent plan. Where birds are destructive, lattice frames are made to cover the beds with. There are many kinds of seeds which, in the hands of experienced cultivators, need no shade, but to all persons of limited knowledge we would recommend to shade every seed.

Seeds take some time to swell their coats after going in the ground, hence all should be put in as early as possible—even though the frost be not out of the ground; if any dry soil can be had to cover, many find advantage in sowing even on frozen soil. In some climates where the Springs are early, some seeds will remain in the ground till the following Spring. If they fail to appear by the time the Spring is over, examine, and, if found with fresh kernels, keep the beds weeded and shaded till the next season.

These simple directions are all that any one needs, to have tolerable success in raising tree seeds; the greater the experience, of course, the greater the success.

For more minute directions, see our **Illustrated Guide to the Flower Garden.**



PREPARATION AND MANAGEMENT OF A HOTBED FOR RAISING SEEDLINGS.

"SOW in heat—Sow in a hotbed," are directions so commonly to be found in the notices of half-hardy annuals, that we feel we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of a hotbed, composed of stable manure, the most frequent and useful form in which it is to be found.

The Preparation of the Dung is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time it should be well worked previous to being used. If obtained fresh from the stable-yard, and found to be too dry, it should be well watered and thrown lightly together to ferment; this will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second turning and watering may be necessary, although one will be generally found to be sufficient; when thus cleaned of its rankness the *bed* may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built up from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well shaken and mixed while being put together, and firmly pressed by the feet. The frame should be kept close until the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed; in a few days it will be ready for use; but air should be given night and day while there is any danger from the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

When the hotbed is used for seeds only, nothing further is necessary; they are to be sown in pots or pans, placed or plunged in the bed, the heat of which will soon cause them to germinate. As this will, after some time, decline, what are called linings should be added, that is, fresh, hot, fermenting (but not rank) dung applied about a foot in width all round the bed; this renews its strength, and will greatly aid its successful management.

A Cold Frame is formed by placing the ordinary hotbed frame upon a bed of light, rich soil in some place in the garden where it will be protected from cold winds. They should both be shaded from the sun by mats during the middle of the day.

All of the leading varieties of FLOWER SEEDS sent out from our establishment are put up in packets; upon which are also printed the COMMON and BOTANICAL NAMES, the LINNEAN CLASSIFICATION and NATURAL ORDERS, with the adaptation and mode of culture of the variety which it contains, of which the following is a sample:

CARNATION PINK.—Fine German.

DIANTHUS CARYOPHYLLUS—FL. PL.

Nat. Ord., Caryophyllaceæ. Linn., Decandria Digynia. Half-hardy Perennial. 1 ft. Fl., various colors. June to September. Native of England.

Sow in April or May, in pots of light soil mixed with leaf mould, scattering the seeds thinly, and covering very lightly with finely sifted mould. Place in a cold frame, or in a sheltered situation out-of-doors, covered with a hand glass; prick out when the seedlings have made a few leaves, either into small pots or in nursery beds. Protect the plants in frames through the winter, and transplant to the border in April. They may be increased by layers. Light, rich garden soil.

No. 34 Barclay Street,
NEW-YORK.

COLLECTIONS OF FLOWER SEEDS BY MAIL.

THE following collections contain the most showy varieties in our large assortment, with full directions for culture. Each packet contains a mixture of the different colors and varieties of its species, so that a greater display can be made at a much less price than when ordered in separate packets. Those unacquainted with Flowers, as well as the experienced cultivator, may order without fear of disappointment.

Collection A—Contains twenty choice varieties of Annuals.....$1.00
Collection B—Contains twenty choice varieties of Biennials and Perennials..... 1.00
Collection C—Contains ten extra varieties of Annuals and Perennials, embracing many of the new and choicest in cultivation..... 1.00
Collection D—Contains five very choice varieties, selected from *Prize Flowers*, of English Pansies, German, Carnation and Picotee Pinks, Verbenas, Truffaut's French Asters, Double Hollyhocks..... 1.00

Any one remitting $3.00 will receive the four collections postage free.

The following additional collections will also be sent at the prices annexed, *free of postage :*

Collection E—Contains fifteen very select varieties of Greenhouse Seeds..... 3.00
Collection F—Contains one hundred varieties of Annuals, Biennials and Perennials, including many new and choice varieties..... 5.00
Collection G—Contains fifty varieties of Annuals, Biennials and Perennials..... 2.50
Collection H—Contains twenty varieties of Hardy Annuals, Biennials and Perennials, for sowing in the Autumn..... 1.00

The seeds contained in the above collections are of our own selection. Purchasers, who prefer to make their selection from the Catalogue, will be entitled to a discount proportionate to the quantity ordered. See schedule of discounts on page 3.

COLLECTIONS OF KITCHEN GARDEN SEEDS BY MAIL.

A Complete Assortment of Vegetable Seeds for One Year's Supply, for a Large or Small Garden.

THE following Collections are made up in the most liberal manner, care being taken to give a sufficient quantity of all the finest varieties and most useful sorts of Vegetables required in the Kitchen Garden:

Assortment No. 5—Contains 60 varieties.....$3.50
Assortment No. 6—Contains 40 varieties..... 2.00
Assortment No. 7—Contains 20 varieties..... 1.00

Larger Collections, which can be safely sent by express (freight paid by purchaser) to any part of the country, as follows: No. 1, $20.00; No. 2, $15.00; No. 3, $10.00; No. 4, $5.00. For a list of the contents of each Collection, see **Guide to the Flower and Kitchen Garden.**

ONE DOLLAR COLLECTIONS.—PLANTS AND BULBS BY MAIL.

THE following collections of plants and bulbs, all distinctly labeled, will be forwarded, post-free, to any Post-office in the United States, on receipt of $1.00 for each, or the whole 27 collections of plants will be sent for $20.00 conditionally that:

The above applies to one address only.

The selection of varieties shall be entirely our own.

There shall be no change in the collections.

When these are complied with, we will endeavor to send only healthy plants, securely packed and mailed according to directions. To those unacquainted with the mailing system, we may state, that plants can be sent with very little fear of failure, at all seasons of the year; in fact, there is less risk during the Winter months, than in Summer, when the heat is excessive.

No. 1.— 6 distinct sorts Monthly Roses, will bloom continually.
3.— 9 distinct sorts Basket Plants.
4.— 8 " " Carnations.
5.—12 " " Summer Pinks.
6.— 9 " " Chrysanthemums.
7.— 6 " " Dahlias.
8.- 6 " " Double Geraniums.
9.— 6 " " Zonale Geraniums.
10.— 6 " " Scented Geraniums.
11.— 7 " " Assorted Geraniums.
13.— 6 " " Double Petunias.
14.— 9 " " Single Petunias.
15.— 8 " " Hardy Phlox.
16.--12 " " Choicest Verbenas.
No. 17.—12 distinct sorts Foliage Plants.
18.— 8 " " Heliotropes.
19.— 6 " " Fuchsias.
20.—12 beautiful Pansies.
26.—Amaryllis, 4 fine varieties.
27.—Gladiolus, 12 fine mixed.
28.—Gladiolus Brenchleyensis, 25 bulbs.
29.—Tuberoses, 12 bulbs.
30.—Tuberoses, Pearl, 6 bulbs.
31.—Japan Lilies, 5 varieties.
32.—Madeira Vines, 8 tubers.
33.—Tiger Flowers (Tigridia), mixed, 8 bulbs.
34.—Collection Bulbs, 1 Tuberose, 1 Amaryllis, 1 Tigridia, 1 Caladium, 1 Madeira Vine, 1 Japan Lily.

PLANTS IN SPECIAL SELECTIONS.

These Selections can be sent only by express, at the expense of purchasers.

Many of our customers being unable to determine what plants are best suited for a continuous display of flowers and foliage during the Summer months, we submit the following, which we are satisfied will prove satisfactory, being our own selection, and of such plants as we grow in large quantities. A saving of 30 per cent. is made in ordering from these selections:

SELECTION A.—$25.—Containing 200 Plants.
SELECTION B.—$15.—Containing 100 Plants.
SELECTION C.—$10.—Containing 80 Plants.
SELECTION D.—$ 5.—Containing 35 Plants.

For a list of the Plants contained in the above selections see list of Plants.

FLOWER SEEDS.

THE following list embraces only the leading varieties enumerated in our **General Catalogue:** For a full list of Seeds for sale at our establishment, with explicit directions for the culture of each variety, we would refer to our **Illustrated Catalogue and Amateur's Guide,** 200 pages, beautifully illustrated, which will be mailed to all applicants upon receipt of 35 cents.

In order to facilitate purchasers in making their selections, who are unacquainted with the botanical names, or different varieties of plants, we have, as far as possible, given the popular name of each variety, and have endeavored so to simplify the description that any person, however unacquainted, may be able to make a judicious selection.

A dash (—) indicates a repetition.

A dagger (†) added to the name denotes that such biennial and perennial plants usually flower the same year, if sown early.

A star (*) Dwarf Plants proper for the edging of beds.

A double star (**) Ornamental Climbers suitable for an arbor or trellis work.

In giving orders for Flower Seeds, it will be sufficient to send the NUMBERS ONLY, but it will be necessary to state the edition of the Catalogue from which they are taken, as new editions are annually published and numbers sometimes changed.

CHOICE ASSORTMENTS OF FRENCH AND GERMAN FLOWER SEEDS

CONTAINING ONLY THE MOST BEAUTIFUL VARIETIES, IN PACKETS,

IN WHICH ARE ENCLOSED FOUR, SIX, EIGHT, TEN, TWELVE, OR MORE, SEPARATE PAPERS, EACH CONTAINING SEEDS OF A DIFFERENT COLOR OR VARIETY OF THE SAME PLANT.

No.		*Price.*
	ASTERS.	
2	**Asters, Truffaut's Peony-flowered Perfection,** German, 18 distinct varieties	$1.25
3	— — — — 12 varieties	.90
4	— — — — 8 varieties	.65
5	— — **Imbricated Pompone,** 12 varieties	.90
6	— **Quilled Double,** German, 12 distinct varieties	.60
7	— **New Dwarf Bouquet,** German, 10 distinct varieties	.60
10	— **Dwarf Chrysanthemum-flowered,** German, 12 varieties	.90
11	— **Rose-flowered,** German, very fine, 10 varieties	.60
12	— **Cocardeau or Crown,** German (white center), 6 varieties	.60
13	— **New Giant Emperor,** German, very large, 8 varieties	.90
14	— **New Victoria,** German, 12 varieties, extra fine	1.00
	BALSAMS.	
16	**Balsams, Camellia-flowered,** French, very double, 12 varieties	.75
19	— **Carnation-striped,** new, 8 varieties	.75
20	— **Smith's Prize,** extra fine, 9 varieties	1.00
	GERMAN STOCKS.	
21	**German Stocks, Dwarf Ten Week,** 12 varieties	.75
22	— — **New Large Flowering Ten Week,** 12 varieties	.75
23	— — **Branching, or Pyramidal Ten Week,** 8 varieties	.60
24	— — **Wallflower-leaved Ten Week,** 10 varieties	.75
26	— — **Autumnal (Intermediate) Flowering,** 8 varieties	.60
	LARKSPUR.	
29	**Larkspur, Double Dwarf Rocket, or Hyacinth-flowered,** 10 varieties	.50
30	— **Double Tall Rocket,** 8 varieties	.50
31	— **Double Stock flowered, or Tall Branching,** 8 varieties	.50
32	— — — **Candelabra-formed,** 6 varieties	.50
	MISCELLANEOUS.	
33	**Antirrhinum** (*Snapdragon*), 8 finest Tom Thumb varieties	.60
36	**Climbing plants,**** 12 selected varieties	.75
38	**Convolvulus**** (*Morning Glory*), 10 splendid varieties	.50
39	**Dianthus Chinensis and Imperial Double,** 12 finest varieties	.60
40	**Everlasting Flowers** (*Helichrysum*), 10 splendid varieties	.60
43	**Hollyhocks,** 12 varieties, Chater's celebrated collection	1 00
48	**Marigold,** French, 10 finest varieties	.50
54	**Pansies,** 12 distinct varieties	.75
57	**Phlox Drummondii,** 12 beautiful varieties	.75
58	**Pinks,** Carnation and Picotee, 12 splendid varieties	1.00
62	**Portulaca,** newest double varieties, 8 distinct colors	.60
66	**Sweet Peas,**** 10 finest varieties	.50
70	**Wallflower,** German, double, 12 superb varieties	1.00
72	**Zinnia,** fine double, 6 beautiful varieties	.50

No. 90.—Adlumia Cirrhosa.

No. 117.—Amaranthus Salicifolius.

No. **ABOBRA.** *Price.*

84 **Abobra viridiflora,** a pretty, tuberous climbing perennial, with handsomely cut, glossy dark green foliage, small oval scarlet fruits; forming beautiful garlands.....$0.10

ABRONIA.

Charming trailer, with beautiful Verbena-like clusters of sweet-scented flowers; continues in bloom a long time; very effective in beds, rock-work, or hanging baskets; hardy annuals.

85 **Abronia umbellata,** a half-hardy annual; ½ ft. A charming plant, with beautiful heads of fragrant rosy lilac flowers..... .10

86 — **fragrans,** pure waxy yellow flowers; very fragrant..... .10

ADLUMIA.

90 **Adlumia cirrhosa**** (*Mountain Fringe, Alleghany Vine*), a beautiful hardy climbing plant of graceful habit; hardy annual; 15 ft..... .10

AGERATUM.

Splendid plants for large clumps or masses, as well as for in-door blooming during Winter; very useful for cutting; half-hardy annuals.

93 **Ageratum Mexicanum,** lavender blue; useful for bedding and bouquets; fine also for pot culture..... .05

94 — — **alba,** white same as above except in color..... .05

1442 — **imperial dwarf.**—A delicate blue of dwarf habit, highly recommended, in constant bloom the whole season..... .10

1443 — **Wendland's dwarf white.**—Very appropriate for the cemetery, also valuable for bouquets..... .10

ALYSSUM.

Free flowering, useful, pretty little plants for beds, edgings, or rock-work. The annual varieties bloom nearly the whole Summer, and the perennials are among our earliest and most attractive Spring flowers.

106 **Alyssum sweet,*** white; fragrant, free flowering plant for beds, edgings, or rock-work; hardy annual; 1 ft..... .05

107 — **saxatile,*** yellow, showy, hardy perennial; 1 ft..... .05

108 — **saxatile compacta,** golden yellow, very compact, half-hardy perennial; 1½ ft..... .05

No. **ALYSSUM.**—*Cont'd.* *Price.*

109 **Alyssum Wiersbeckii,** white and yellow.....$0.05

AMARANTHUS.

Ornamental foliaged plants of an extremely graceful and interesting character, producing a striking effect, whether grown for the decoration of the conservatory or out-door flower garden; half-hardy annuals.

110 **Amaranthus bicolor,** leaves crimson and green, handsome..... .05

111 — **bicolor ruber,** foliage green, striped and shaded with dark red and sometimes tipped with yellow..... .05

112 — **caudatus** (*Love lies bleeding*), graceful .05

113 — **cruentus** (*Prince's Feather*)..... .05

116 — **melancholicus ruber,** beautiful blood-red foliage, of resplendent beauty. .05

117 — **salicifolius,** one of the finest, both in form and color of foliage..... .10

120 — **tricolor** (*Joseph's Coat*), leaves green, red and yellow..... .05

1423 — **Henderii,** this strain produces a range of colors never before seen in any class of plants..... .15

1424 — **amabilis tricolor,** bushy habit, 20 inches in height, with rose, yellow and fiery-red colored leaves..... .15

1444 — **Princess of Wales,**—quite distinct, leaves about 10 inches long, one-half of which is intense carmine, with olive-green tips, the remainder of leaf orange-yellow veined with pink..... .15

ANAGALLIS.

Valuable for small beds, edgings, rustic baskets, vases or rock-work; half-hardy annuals.

129 **Anagallis,** fine mixed..... .10

ANTIRRHINUM.

The Antirrhinum, popularly called Snap-dragon, one of our most showy and useful border plants; half-hardy perennials.

135 **Antirrhinum majus caryophylloides,** finely striped; 2 ft..... .05

143 — — extra fine, mixed..... .05

144 — dwarf, mixed..... .05

AQUILEGIA.

A class of highly ornamental plants; its varieties combining at once flowers the most curious in form, with colors the most striking and beautiful; hardy perennials.

146 **Aquilegia Canadensis,** red and yellow .05

No. 152.—Aquilegia.

No. 170.—Aster.—Victoria.

No.	**AQUILEGIA.**—*Cont'd.*	*Price.*
147	**Aquilegia caryophylloides, fl. pl.,** a new double variety, beautifully variegated	$0.10
150	— **glandulosa,** blue and white, beautiful; from Siberia	.10
152	— finest mixed	.10
1398	— **chrysantha** (*New Golden-Spurred Columbine*), a splendid novelty from the Rocky Mountains; flowers rich golden yellow	.10

ARABIS.

An early Spring flowering plant, valuable for rock-work, edgings, etc.; hardy perennial.

153	**Arabis alpina,** pure white; ¾ ft.	.10

ASTER.

For beauty and variety of habit, form and color, the Aster stands unrivaled, and of all flowers is best adapted to gratify the taste and win the admiration of every lover of floral beauty. It is not only one of the most popular, but also one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most perfect and beautiful form; hardy annuals.

158	**Aster, Truffaut's French Peony-flowered Perfection,** eighteen colors mixed. This variety is the highest type of the Peony-flowered Aster, as recognized by the leading horticultural societies of the Old World; the habit of the plant is excellent; the flowers are remarkable for their fine quality and perfect form, their large size and rich, pure colors, surpassing all sorts hitherto grown; 1½ ft.	.25
159	— — — pure white, very desirable for bridal or funeral decorations, or for culture in cemeteries	.25
160	— **German Peony-flowered,** twelve colors mixed. In this variety the petals are turned toward the center, and a flower not quite in full bloom resembles a ball; brilliant and beautiful colors, very double and finely formed	.10
161	— — **Cockade, or Crown,** mixed colors; the flowers of this variety have large white centers, bordered with scarlet, carmine, violet or blue—unusually attractive and beautiful; 1½ ft.	.10
162	— — **Giant Emperor,** mixed colors, brilliant and beautiful, flowers very double and of immense size; 2 ft.	.10

No.	**ASTER.**—*Cont'd.*	*Price.*
163	**Aster, German Imbrique Pompone,** mixed colors, beautiful variety, pompone flowers; 1½ ft.	$0.10
165	— — **La Superbe,** rose, blue and white mixed, flowers large size, extra fine	.15
166	— — **dwarf pyramidal-flowered bouquet,** mixed; when well grown almost every plant forms a bouquet of from 150 to 200 flowers, completely hiding the foliage, producing a splendid effect; 9 to 15 inches	.10
167	— — — — — **Schiller,** a new variety of the preceding, of great merit, very double, a profuse bloomer	.10
168	— — **dwarf Chrysanthemum-flowered,** mixed colors; these grow to the uniform height of ten inches, have flowers three or four inches in diameter, bloom profusely	.15
170	— — **Victoria,** flowers very double; the plant is of vigorous habit, producing from ten to twenty flowers in the form of a pyramid; 1¾ ft.	.15
1475	— — **half dwarf,** white. A valuable addition to that charming section of half dwarf Asters, which from their elegant shape and free blooming qualities rank among the most useful varieties where white flowers are desired	.25
172	— — **porcupine, hedgehog, or needle perfection,** mixed flowers, composed of long-quilled, curious-looking petals; 2 ft.	.10
173	— — **Reid's improved quilled,** many colors mixed; 1½ to 2 feet in height, branches freely, and throws out many large blossoms	.10
174	— — **rose-flowered,** a beautiful variety, flowers large, brilliant, very double, regularly imbricated, several colors mixed	.15
1390	— **Washington,** a great improvement upon any variety before offered, and without exception the finest in cultivation; flowers of large size—four to five inches in diameter, and of perfect form; plant vigorous and showy; mixed colors	.25
176	— **fine mixed varieties**	.05

BALLOON VINE (Cardiospermum).

190	**Balloon Vine,**** a rapid growing, handsome climber, with an inflated membraneous capsule, from which it derives its name; half-hardy annual	.10

GROUP OF FRENCH AND GERMAN ASTERS. Two-thirds the average size.

Page 9.

1.—Truffaut's French Peony-Flowered Perfection. No. 158.
2.—Reid's Improved Quilled. No. 173.
3.—Imbrique Pompone. No. 163.
4.—Cockade or Crown. No. 161.
5.—Dwarf Chrysanthemum-flowered. No. 168.
6.—Rose-flowered. No. 174.

No. 192.—Balsam (Camellia-Flowered).

No. 190.—Balloon Vine.

No. **BALSAM.** *Price.*

Magnificent conservatory or out-door plants, producing their gorgeous masses of beautiful brilliant colored flowers in the greatest profusion. The soil in which they are grown should be of the richest possible character, the plants should be set fifteen inches apart, securely staked, and receive frequent waterings of manure water; tender annuals.

191 **Balsam Solferino,** striped and streaked with lilac and scarlet on white ground..$0.15
192 — **French Camellia-flowered,** ten magnificent double varieties, mixed colors ..... .10
1476 — **Camellia-flowered.—New Double White Perfection.**—Double as a Camellia; perfect in form; pure white; very desirable for florists..... .25
193 — **dwarf,** mixed, from eight splendid double varieties; ½ ft..... .10
194 — **rose-flowered** (Improved), twelve splendid varieties, mixed; 2 ft..... .10
196 — **Smith's Prize,** from a celebrated English collection, very large and double... .25
199 — **Carnation,** double, with stripes like the carnation..... .15

BARTONIA.

201 **Bartonia aurea** (golden), rich golden yellow; hardy annual, from California.. .05

BEGONIA (Tuberous rooted).

A beautiful tribe of plants resplendent with their beautiful flowers of various shades of scarlet, crimson, rose, etc., during the summer months, until frost. They are as hardy as most of the bedding plants, of very easy culture. Masses on a lawn present a gorgeous aspect. They are also very desirable for pot culture.

1339 **Begonia tuberous rooted,** finest mixed varieties (Flowering Bulbs, 50 cts.) .... .50
1445 — **Froebelli,** flowers of bright scarlet, in clusters, carried well above the foliage (Bulbs, 75 cts.) ..... .50
1446 — **Ne plus ultra,** flowers bell shaped; gracefully pendulous; blooms profusely .50
202 — **Rex hybrida,** beautiful, variegated foliage, for pot culture..... .25

BELLIS (Double Daisy).

A well-known and favorite plant for the border or pot culture. Half-hardy perennial.

203 **Bellis perennis,** finest German, producing many double flowers; ¼ ft..... .25

BOCCONIA.

Ornamental foliage plants for single specimens or groups on lawns.

No. **BOCCONIA.**—*Cont'd.* *Price.*

206 **Bocconia Japonica,** a Japanese variety, forms a bush-like growth from four to six feet in height, producing racemes of bloom from two to three feet in length $0.10

BRACHYCOME.

Beautiful free-flowering dwarf-growing plants, covered during the greater portion of Summer with a profusion of pretty Cineraria-like flowers. Half-hardy annuals.

207 **Brachycome iberidifolia,** blue; ½ ft. .10
208 — — **albiflora,** white; ½ ft..... .10
209 — — **finest mixed**..... .10

BROWALLIA.

Very handsome profuse blooming plants, covered with rich, strikingly beautiful flowers. Half-hardy annuals.

210 **Browallia Cerviakowskii,** blue with white center, beautiful; 1½ ft..... .10
211 — **elata alba,** white; 1½ ft..... .10

CACALIA (Tassel Flower).

A beautiful and profuse flowering genus of plants with tassel-shaped flowers, fine for mixed borders; half-hardy annuals.

213 **Cacalia coccinea,** orange scarlet, flowering in clusters, very pretty; 1½ ft. .05
214 — **aurea,** golden yellow, variety of above; 1½ ft ..... .05

CACTUS.

Extremely curious and interesting plants, many of the varieties producing magnificent flowers of the most brilliant and striking colors. Greenhouse perennial.

215 **Cactus,** choice varieties, mixed..... .25

CALANDRINIA.

Very beautiful free flowering plants, invaluable for rock-work and dry hot banks, or similar situations; they all succeed in a light rich soil; hardy annuals.

216 **Calandrinia speciosa,** rosy purple, a most profuse bloomer; ½ ft..... .05
217 — — **alba,** a white flowering variety of the preceding, distinct and beautiful... .05
218 — **grandiflora** (discolor), rosy pink, handsome, from Chili; 1 ft..... .05
219 — **umbellata,** rich rosy violet, exceedingly beautiful, from Chili; ¼ ft..... .10

CALENDULA (Marigold).

A very showy, free flowering genus of plants, producing a very pretty effect in beds or mixed borders, and growing freely in almost any soil; hardy annuals.

No. 229.—Calliopsis Bicolor.

No. 260.—Candytuft (Fragrant).

No.	**CALENDULA.**—*Cont'd.*	*Price.*
220	**Calendula officinalis** (*Garden Marigold*), fine orange; 1 ft.	$0.05
221	— — **Le Proust,** nankeen, very double and a profuse bloomer	.05
222	— **Pongei fl. pl.,** a white hybrid Marigold, with double flowers; 1 ft.	.10

CALCEOLARIA.

Plants of a highly decorative character, indispensable for the greenhouse or the flower garden; greenhouse perennials.

223	**Calceolaria hybrida,** from a choice German collection	.25
224	— — **superba grandiflora,** beautifully spotted, large flowered, extra select; the finest in cultivation	.50
226	— **rugosa,** splendid shrubby varieties for bedding, saved from a very fine selection, embracing a great variety of colors	.50

CALLA (Richardia).

A very handsome plant, either as an aquatic or for the ornamentation of the drawing-room and conservatory; half-hardy perennial.

227	**Calla Æthiopica,** white Ethiopian lily; 2 ft. (Plants, 50 cents each)	25

CALLIOPSIS, or COREOPSIS.

Few, if any, annuals are more useful than these; the colors are rich and striking, flowers numerous and beautiful; produce a fine effect in mixed borders; hardy annuals.

228	**Calliopsis Atkinsoniana,** yellow and crimson; 2½ ft.	.05
229	— **bicolor** (*Tinctoria*), yellow and brown; 2½ ft.	.05
230	— — **marmorata,** rich crimson, brown and yellow, singularly marbled; 2 ft.	.05
232	— — **nigra speciosa,** rich velvety crimson; 2 ft.	.05
234	— — **Burridgii,** color a deep crimson copper, with a broad margin of gold; 2 ft.	.05
235	— **cardaminifolia hybrida,** a pyramidal, profuse bloomer; 2 ft.	.05
236	— — — **atrosanguinea,** very beautiful, with rich blood red flowers	.05
237	— **coronata,** rich yellow, with a circle of rich crimson spots near the disc, very handsome	05
238	— **Drummondii** (*Drummond's*), yellow, dwarf species	.05
239	— **fine mixed** varieties	.05

No.	**CALLIRHOE.**	*Price.*
	An elegant genus of plants, strongly resembling the Scarlet Linum; commences to bloom when about six inches high, and presents a mass of flowers during the entire summer; hardy annuals.	
240	**Callirhoe pedata,** color, rich violet purple with white eye, North America; 2 ft.	$0.05
241	— — **nana,** a new dwarf variety, a very profuse bloomer; 1 ft.	.05
242	— **involucrata,** a trailing variety, with large rich crimson purple flowers; blooms all the season	.10

CAMPANULA.

A genus of exceedingly beautiful perennials, all of which are characterized by the richness of their colors and the profusion of their bloom.

244	**Campanula Carpatica,*** mauve, a profuse blooming and very effective hardy perennial	.05
245	— — **alba,*** pure white, hardy perennial	.05
246	— **grandiflora,** deep purple, very large, hardy perennial; 2 ft.	.05
247	— **nobilis,** large violet purple, dwarf habit, half-hardy perennial; 3½ ft.	.10
248	— — **alba,** white, spotted, beautiful, hardy perennial	.10
251	— **medium** (*Canterbury Bells*), double and single, varieties mixed	.10
1400	— — — **Calycanthema,** rich blue	.25
1401	— — — **alba,** pure white; this and the preceding are new and showy varieties of Canterbury Bells, the calyx forming an elegant cup round the base of the bell, and being of the same color as the corolla	.25

CANARY BIRD FLOWER.**

259	**Canary Bird Flower** (*Tropæolum Peregrinum*), bright yellow, fringed, exceedingly beautiful, foliage highly ornamental, deservedly a general favorite; 10 ft. Half-hardy annual	.15

CANDYTUFT (Iberis).

One of the most useful border annuals, very effective in beds, groups, ribbons, etc.; also very useful for pot culture, for conservatory decoration during Winter; indispensable for bouquets. Hardy annuals.

260	**Candytuft fragrant,** pure white, pinnated foliage, fine; 1 ft.	.05
262	— **purple;** 1 ft.	.05

Asters, Peony Flowered.
No. 158. *Page* 9.

Convolvulus tricolor, New Crimson Violet.
No. 1452. *Page* 19.

Candytuft, New Carmine.
No. 1477. *Page* 15.

Canary Bird Flower.
No. 259. *Page* 12.

GROUP OF CARNATION, PICOTEE, PERPETUAL AND FLORISTS' PINKS.

1.—Carnation, No. 305.
2.—Picotee, No. 1008.
3.—Perpetual, or Tree Carnation, No. 308.
4.—Florists' Pink, No. 1012.

No. 1464.—Candytuft, New White "Tom Thumb."

No.	**CANDYTUFT.**—*Cont'd.*	*Price.*
264	**Candytuft Dunnetts,** new, dark crimson, very beautiful; 1 ft.	$0.05
265	— **rocket,** pure white, in large trusses; 1 ft.	.05
266	— **white,** very desirable; 1 ft.	.05
268	— **fine mixed;** 1 ft.	.05
1447	— **hybrid, dwarf mixed;** elegant varieties of a dwarf habit and perfect shape, blooms profusely: flowers, shading from a pure white into rose, lilac, carmine, red, dark purple, etc.	.15
1464	**New white "Tom Thumb."**—A new and most desirable variety of this well-known favorite: each plant forming a dwarf and completely round bush about sixteen inches in diameter, literally covered with large, clear, white flower heads.	.15
1477	**Carter's New Carmine.**—This splendid novelty is of dwarf, compact habit, and the plant presents one mass of vivid carmine bloom. Distinct and beautiful, free flowering, of good habit	.15

CANNA (Indian Shot).

A genus of highly ornamental plants, remarkable for their large and handsome foliage, majestic habit and brilliant flowers. When planted in groups or masses they impart quite a tropical aspect to the garden. Soak the seeds in hot water for about twelve hours; sow in a gentle hot-bed; plant out the last of May, in a rich soil; the roots can be lifted before the arrival of frost, kept in a dry cellar, and planted out again the ensuing Spring. The seeds may also be planted in the flower border in the latter part of May and June, but will not flower so early; half-hardy perennials. Roots, assorted, 30 cents each; $3.00 per dozen.

270	**Canna Anneii,** crimson, extremely ornamental; 3 ft.	.10
274	— **Bonneti,** red and yellow, superb variety, fine habit; 7 ft.	.15
275	— **compacta elegantissima,** large, reddish yellow, free flowering; 2 ft.	.10
277	— **Depute Hernon,** leaves deep green, flowers sulphur and orange; 5 ft.	.10
279	— **discolor violacea,** splendid foliage; 6 ft.	.15
280	— **Indica,** red, from India; 2 ft.	.05
281	— **Krelagi discolor,** dark stem, large leaves, violet streaked with purplish red; 5 ft.	.25
282	— **limbata,** intense scarlet edged with yellow, very striking; 4 ft.	.10
288	— **Nepalensis,** clear yellow, very beautiful; 3 ft.	.10
289	— **sanguinea Chatei,** blood red, dark foliage and stems; 6 ft.	.10
292	— **Warscewiczii,** brilliant red, foliage striped, from Central America; 3 ft.	.10
293	— **zebrina,** beautiful zebra-striped foliage; 5 ft.	.10
295	— **fine mixed** varieties	.10

No.	**CANTERBURY BELLS (Campanula Media).**	*Price.*

When well grown, Canterbury Bells are amongst the most attractive of border plants; they succeed in light, rich soil, and should be transplanted two feet apart; hardy biennials.

296	**Canterbury bells, double blue;** 2½ ft.	$0.10
298	— — **white,** 2½ ft.	.10
299	— — **mixed,** 2½ ft.	.10
300	— **single blue,** 2½ ft.	.05
301	— — **white,** 2½ ft.	.05
302	— — **mixed,** 2½ ft.	.05
1478	— **Dean's Hybrids,** a new strain, comprising many distinct varieties, mixed, double and single; flowers very large. Remarkable for the size of the flowers and their variety of color	.15

CARNATION PINK (Dianthus Caryophyllus).

A magnificent class of popular favorites, most of which are deliciously fragrant, and with colors extremely rich and beautiful. The seed we offer is from the finest collection in Europe, and will produce many double flowers, and amongst them many choice novelties. Succeeds best in light, rich soil. Protect during Winter. Half-hardy perennials.

305	**Carnation Pink,** mixed, various colors, first quality; 1½ ft.	.50
306	— **fine German,** from named flowers; 1½ ft.	.25
307	— **good mixed,** for border culture	.15
308	— **perpetual or tree,** various colors, first quality; 1½ ft.	.50
309	— — **fine German,** from named flowers; 1½ ft.	.25
310	— **dwarf double early flowering,** a distinct variety; from Germany; they flower earlier, and are more dwarf and robust in habit	.25

CATCHFLY (Silene).

A showy free flowering plant, for beds, borders or ribbons; succeeds in any common soil. Hardy annuals.

311	**Catchfly,** red, white and flesh colors mixed; 1½ ft.	.05

CELOSIA (Cockscomb).

Magnificent, free flowering, graceful growing plants, producing in the greatest profusion spikes of the most beautiful feathery flowers. Plants of the Celosia flower freely if planted out in June in light soil, not too rich; grown in pots, they are the most elegant of greenhouse and conservatory plants. Half-hardy annuals.

312	**Celosia argentea,** silvery white shaded with bright rose, very handsome; 3 ft.	.10
313	— **aurea pyramidalis,** golden yellow, exceedingly fine; 3 ft.	.10
314	— **crimson feathered,** fine in contrast with the preceding; 3 ft.	.10
318	— **spicata rosea,** a French variety with spikes of rose colored flowers, suitable for Winter bouquets, for which it should be picked before it begins to fade	.10

No. 323.—Cockscomb.

No. 358.—Chrysanthemum Tricolor.

No.	**CELOSIA.**—*Cont'd.*	*Price.*
1404	**Celosia Huttonii.**—A beautiful dark foliage, bedding or greenhouse plant	$0.15
317½	— **Japonica** (*Japanese Cockscomb*). A variety of great beauty. The branches are scarlet or crimson; the combs are almost as delicately cut as ruffled lace, often in pyramidal masses, while the colors are of the brightest imaginable	.10
1449	— **Japonica variegata.**—Plants form handsome pyramids 2 feet high, decorated with striped combs of brilliant yellow and purple carmine	.10
1450	— **pyramidalis plumosum.**—This magnificent plant when well grown attains a height of six feet, is perfectly symmetrical in growth, with beautiful plumes of flowers of a rich magenta color, which continue for months in full beauty	.15
1406	— **violet-feathered.**—A very interesting novelty, with large plume-like flower-spikes of fine violet color	.15

The following varieties have been saved from selected combs, remarkable for their size, symmetry and brilliant colors:

320	**Celosia cristata nana,** dwarf crimson	.10
321	— — — **rosea,** dwarf rose	.10
322	— — — **aurea,** dwarf golden yellow	.10
323	— — — **purpurea,** extra finest prize	.10
1405	— — **variegata,** each head variegated with crimson, orange and green	.10
1466	— — (*Glasgow Prize.*)—Plants from this celebrated strain were exhibited in London, which measured 33 to 36 inches from tip to tip, and from 14 to 17 inches in breadth	.25
324	— **fine mixed,** a great variety of colors	.10

CENTAUREA.

The annual varieties are among the most showy flowers we have, very desirable for groups or mixed borders; Nos. 326, 327, 328, are remarkable for their beautiful silvery foliage, which makes them very effective for mixed groups, ribbon and carpet borders, or single specimens.

325	**Centaurea Americana,** lilac purple, very large, showy, robust species	.05
326	— **Clementia,** foliage elegant, covered with a snowy white down, stems terminate with straw colored flowerets	.25
327	— **candidissima** (*ragusina*), silvery-leaved plant for beds, ribbons, vases, baskets and pots; half-hardy perennial	.25

No.	**CENTAUREA.**—*Cont'd.*	*Price.*
328	**Centaurea gymnocarpa,** a graceful silvery-leaved variety, for bedding or pot culture	$0.15
329	— **Cyanus** (*Corn-bottle, or Bachelor's Button*), various shades mixed	.05
330	— **depressa,** blue, red center, large flowers; 1 ft	.05

CENTRANTHUS.

Very pretty, free flowering, compact growing plants, very effective in beds, ribbons, or as an edging; grow freely in any common garden soil; natives of Grenada; hardy annuals.

337	**Centranthus macrosiphon,** pale rose, pretty in masses; 2 ft	.05
338	— — **albus,** white flowered variety; 1 ft	.05
339	— — **bicolor,** flowers rose and white, in globular shaped umbels	.05

CHINESE PRIMROSE (Primula Sinensis).

A charming and profuse flowering plant; indispensable for Winter and Spring decoration in the conservatory. See *Primula,* No. 1046, for other varieties. Greenhouse perennial.

346	**Chinese Primrose,** fringed purple	.25
347	— — — white, very beautiful; ¾ ft	.25
348	— — — splendid mixed, from the finest English and Continental varieties; ¾ ft.	.50

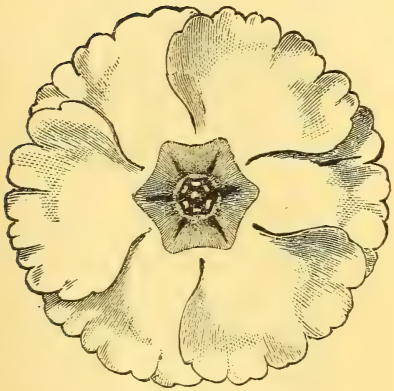
CINERARIA.

Well-known favorite, free flowering plants for the greenhouse, which may be had in splendid bloom through the greater portion of the year; and from the richness and diversity of the colors, are among the most valuable of our early Spring flowers; succeed best in light, rich, free and open soil; greenhouse perennials.

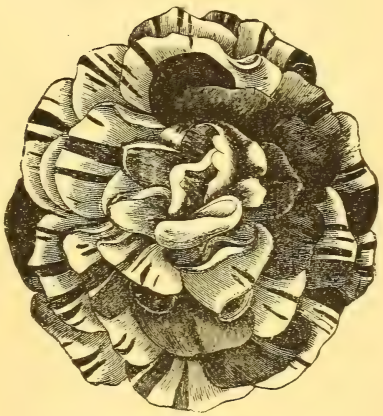
351	**Cineraria,** fine mixed varieties	.25
352	— **extra select,** from prize flowers only,	.50
353	— **dwarf,** a new German variety of compact growth, highly recommended,	.25
1479	— — **large flowering, pure white.**—Remarkable for the pure white color and large size of the flowers and dwarf and elegant habit	.75
1421	— **new double flowering.**—This is unquestionably one of the finest florists' flowers that has been sent out for many years; they represent crimsons and magentas, in various shades, purples, both light and dark, as well as flowers tipped with different tints of scarlet and magenta, and perfectly double; habit very good	1.00

Glasgow Prize.
No. 1466. *Page* 16.

Canterbury Bells.
No. 1478. *Page* 15.

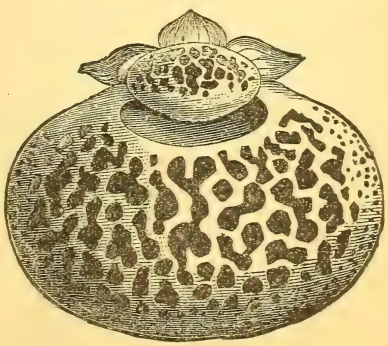


Chinese Primrose.
No. 348. *Page* 16.



Balsam Carnation Striped.
No. 199. *Page* 11.

Cineraria, Extra Select.
No. 352. *Page* 16.



Calceolaria Superba.
No. 224. *Page* 12.

No. 389.—Cobea Scandens.

No. 410.—Convolvulus Tricolor.

No. **CINERARIA.**—*Cont'd.* *Price.*

The following varieties of the Cineraria are desirable for bedding and other purposes, for which Centaurea is recommended:

355 **Cineraria acanthifolia,** silvery leaves, beautifully cut like the Acanthus; half-hardy perennial $0.15
356 — **argentea,** handsome silvery-leaved species; half-hardy perennial ..... .15
357 — **maritima,** another silvery-leaved variety, which, with the two preceding, is fine for bedding with the ornamental foliage plants ..... .10

CHRYSANTHEMUM.

The tall, double flowered, annual Chrysanthemums, when well grown, are amongst the most showy and effective of Summer flowering border plants; to allow for individual development, they should be thinned out from twelve to eighteen inches apart. The dwarf kinds make showy bedding plants. Hardy annuals.

358 **Chrysanthemum tricolor,** yellow and white, very showy; 1 ft ..... .05
359 — — **Burridgeanum,** crimson white center, extra fine; 1 ft ..... .05
360 — — **Dunnetii, fl. pl.,** double white, extra fine ..... .10
361 — — **golden,** very double, color bright golden yellow ..... .10
362 — — **hybridum plenum,** producing a large proportion of double flowers, of various shades ..... .10
363 — — **venustum,** white, with crimson center, extra fine; 1 ft ..... .05
364 — **coronarium, fl. pl.,** double, yellow ..... .05
365 — — **double,** white; hardy annual ..... .05

The Chrysanthemum Indicum and Indicum Nanum are the well-known varieties so extensively grown in pots for late Autumn and early Winter flowering; no one should be without them. The seed we offer is saved from the finest varieties and will give a good proportion of double flowers.

366 **Chrysanthemum Indicum,** tall double mixed, extra fine, half-hardy perennial; 3 ft ..... .25
367 — — **nanum** (*Dwarf Pompone*), double mixed, half-hardy perennial; 1 ft ..... .25
368 — **Japonicum,** new race from Japan, quite distinct from the old varieties in the style of the flowers, which are of a peculiar form, in a great variety of colors ..... .25

No. **CLARKIA.** *Price.*

A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; hardy annuals.

1451 **Clarkia elegans, alba plena.**—Double pure white $0.15
369 — **elegans,** rosy purple; 2½ ft ..... .05
371 — **pulchella,** deep rose; 1½ ft ..... .05
374 — — **flore pleno,** rich magenta, flowers double; 1½ ft ..... .05
377 — — **Tom Thumb,** rosy purple, dwarf, and of bushy habit, very fine; 1 ft ..... .05
380 — **double and single mixed** ..... .05

CLIANTHUS.

384 **Clianthus Dampierii,** one of the most beautiful plants in cultivation, about 3 feet in height, with neat compound leaves, and drooping clusters of large, rich scarlet, long petaled, pea-shaped flowers, three inches in length, something similar to the splendid blossoms of the Coral Tree, each flower being picturesquely marked with a large, black, cloud-like blotch in front. Sow in open air on a dry, sunny border, in May or June; they require but a little water. From New Holland ..... .25

CLEOME.

1427 **Cleome Sesquiorgyalis.**—Remarkable South American annual, about ten feet in height, with large leaves. Highly ornamental ..... .15

COBÆA. **

389 **Cobæa scandens,** a magnificent climber, with large, bell-shaped purple-lilac flowers and beautiful foliage; it is of a very rapid growth in a rich soil. Seeds should be placed edgewise when planted ..... .10

COLEUS.

For the adornment of the greenhouse and sitting-room this plant is in great demand, and is also among the most popular plants for the flower garden either for groups, ribbon borders or as single specimens.

390 **Coleus,** saved from the newest and most showy varieties ..... .50

COLLINSIA.

An exceedingly pretty, free flowering, popular genus, remarkably attractive in beds, mixed borders or ribbons; hardy annuals.

No. 441.—Cyclamen Persicum.
Wiggin's Prize.

No. 443.—Cypress Vine.

No.	COLLINSIA.—*Cont'd.*	*Price.*
393	**Collinsia bicolor,** purple and white, beautiful; 1 ft.	$0.05
394	— — **alba,** pure white, charming variety; 1 ft.	.05
395	— **multicolor,** crimson, lilac and white, showy; 1 ft.	.05
396	— — **marmorata,** white and rose, marbled, handsome; 1 ft.	.05

COLUMBINE.

Useful border plants of easy culture. See *Aquilegia.* Hardy perennials.

399 **Columbine,** finest hybrid varieties ..... .10

CONVOLVULUS MAJOR (Morning Glory).**

A well-known and beautiful free flowering class of climbers, with brilliant and varied colored flowers, growing freely in almost any situation, and producing a splendid effect when grown on rockwork, stumps of trees or banks, and when trained over trellis, rustic work or against rough fences. See *Ipomea.* Half-hardy annuals.

402 **Convolvulus major,** dark purple ..... .05
403 — — crimson ..... .05
404 — — white ..... .05
408 — — tricolor, white, striped with red and blue ..... .05
409 — — the above colors mixed ..... .05

CONVOLVULUS TRICOLOR (Dwarf Convolvulus).

Beautiful, free flowering, and remarkably showy plants, with exceedingly handsome, rich colored flowers, producing in beds and mixed borders an unusually brilliant effect, either in distinct colors, ribboned or mixed.

410 **Convolvulus tricolor minor,** rich violet purple with white center, trailer, .05
411 — — — **splendens,** rich violet with white center, trailer ..... .05
412 — — **striped,** blue, beautifully striped with white, trailer ..... .05
413 — **monstrosus,** deep violet purple flowers, extremely large and handsome, trailer ..... .05
415 — **unicaulis,** upright growth, with a compact head of flower buds, blossoms of rich purplish blue ..... .10
416 — fine mixed varieties ..... .05
417 — **Mauritanicus,** beautiful for hanging-baskets and vases, flowers blue, very floriferous ..... .15

No.	CONVOLVULUS TRICOLOR.—*Cont'd.*	*Price.*
1452	**Convolvulus tricolor new crimson violet.**—Flowers have a brilliant yellow eye encircled with a band of snowy white, broadly margined with rich crimson violet	$0.10

COWSLIP.

Favorite, early, free flowering plants, which should be extensively grown for filling the beds and borders of the Spring flower garden; succeed best in rich soil; hardy perennials.

418 **Cowslip,** fine mixed varieties; ¾ ft. .... .10

CYANUS.

Ornamental plants for shrubberies and mixed borders, and exceedingly useful where cut flowers are in demand, growing in any common soil; hardy annual.

436 **Cyanus,** mixed colors, viz., blue, pink, rich purple and striped; 1½ ft. ..... .05

CYCLAMEN.

A genus of the most beautiful and elegant Winter and Spring blooming plants, for pot culture in parlor or conservatory, universally admired. If sown early in Spring under glass, and well grown will make flowering bulbs in one year. Flowering bulbs furnished, if desired, from 50 cents to $1.00 each; greenhouse bulbs.

438 **Cyclamen Europæum,** fine mixed; ¾ ft. .25
439 — **Persicum,** white and pink, a charming sweet-scented variety; from Cyprus ..... .25
441 — — **Wiggin's prize,** selected from finest varieties in cultivation, very robust in growth ..... .50
1453 — — **giganteum** (New).—This superb variety is a new and greatly improved type, having very broad, beautifully mottled leaves, and stout flower stalks throwing the flowers well above the foliage, each flower measuring from 2 to 2½ inches in length, with broad petals of great substance, pure white, with a fine bold violet purple eye 1.00

CYPRESS VINE (Ipomea Quamoclit).

One of the most popular of all Summer climbers, flowers small, thickly set in a most beautiful dark green foliage, forming a striking contrast; tender annuals.

443 **Cypress Vine,** crimson, very brilliant; 10 to 20 ft. ..... .05

No. 477.—Dianthus Chinensis fl. pl.

No. 496.—Digitalis Gloxinoides.

No.	**CYPRESS VINE.**—*Cont'd.*	*Price.*
444	**Cypress Vine,** white, very appropriate for the cemetery	$0.05
445	— — rose, very delicate	.05

DAHLIA.

Admirers of this noble plant may confidently depend upon the quality of this seed, it having been saved from the best varieties in cultivation; of various heights and colors; half-hardy.

446	**Dahlia,** fine mixed	.10
447	— extra fine, from prize flowers	.25
448	— **new Lilliput,** dwarf flowering, very beautiful	.25

DATURA (Trumpet Flower).

An ornamental genus of plants, many of which possess attractions of the highest order. In large clumps or borders of shrubbery they produce an excellent effect. The roots may be preserved in sand through the Winter in a dry cellar. Half-hardy perennials.

452	**Datura humilis flore pleno,** a fine variety, producing a profusion of deep golden yellow flowers, very large, double, and sweet scented, continuing in bloom till frost sets in; 2 ft.	.10
453	— **fastuosa alba,** white, double; 2 ft.	.10
454	— — **Huberiana,** a splendid and effective variety. The blossoms are very large and double, pendent, dark lilac colored on the outside, the inside is almost pure white	.10
455	— — — **varietates,** from the beautiful Datura Huberiana; there are many new varieties—white, violet, carmine, aurora, lilac, etc., mixed	.25
456	— **Meteloides** (*Wrighti*), white bordered with lilac; continues in bloom from July till November; 2 ft.	.10

DELPHINIUM (Perennial Larkspur).

Plants remarkable for their great beauty, diversity of shades, and highly decorative qualities. They also differ greatly in their habit of growth; some produce magnificent spikes of flowers, while others are dwarf, and completely covered with bloom. The principal color is blue, shading from the softest celestial to the darkest purple blue, while all are more or less shaded or marked with some other color. With the exception of D. cardiopetalum, all are hardy perennials. For annual varieties see *Larkspur.*

459	**Delphinium cardiopetalum,** deep blue, heart-shaped; hardy annual; 1 ft.	.05

No.	**DELPHINIUM.**—*Cont'd.*	*Price.*
460	**Delphinium elatum** (*Bee Larkspur*), blue, fine tall species; 5 ft.	$0.05
462	— **cœlestinum,** fine blue	.10
463	— **hybridum novum,** choice mixed hybrids from named flowers	.10
465	— **formosum,** rich blue and white	.10
466	— **nudicaule** (*New Scarlet Delphinium*), one of the most desirable perennials that have been introduced for many years. The flowers vary from light scarlet to a shade verging closely on crimson, and are very brilliant when seen in the sunshine	.25
467	— **sinensis,** various shades mixed	.10

DIANTHUS.

A magnificent genus, which embraces some of the most popular flowers in cultivation. The Carnation, Picotee Pink and Sweet William, all "household words," belong to this genus. D. Chinensis and its varieties may be considered the most beautiful and effective of our hardy annuals; the double and single varieties, with their rich and varied colors in beds or masses, are remarkably attractive; while the recently introduced varieties, with their large, richly colored flowers, close, compact habit, and profusion of bloom, are unsurpassed for effectiveness in beds or mixed borders.

469	**Dianthus atrorubens,†** beautiful dark red, hardy perennial; 1 ft.	.10
470	— **barbatus** (see *Sweet William*), fine mixed; hardy perennial; 1 ft.	.05
472	— **deltoides,** pink and white mixed, showy, fine for edging	.05
473	— **dentosa;** the plant is dwarf, growing in tufts, and covers itself with a mass of pretty rosy lilac flowers, very well adapted for edgings, or to form clumps or borders, or rock-work	.10
475	— **Caryophyllus** (see *Carnation* and *Picotee*), fine mixed border varieties; half-hardy perennial	.10
476	— **Chinensis** (*China* or *Indian Pink*), single, many colors mixed; hardy annual; very showy and fine for bedding	.05
477	— — **double mixed,** a splendid mixture for variety of color and size of bloom, producing a large proportion of double flowers	.10
478	— **Garnerianus,** various colored, finely fringed, double flowers, fragrant; hardy perennials	.10

No. 501.—Dolichos Lablab.

No. 455.—Datura Fastuosa Huberiana Varietates. *Page* 20.

No. **DIANTHUS.**—*Cont'd.* *Price.*

479 **Dianthus Heddewigii,** color varies from the richest velvety crimson to the most delicate rose; flowers two to three inches in diameter, a magnificent variety; hardy annual; from Japan; 1 ft. $0.10

480 — — **fl. pl.,** double variety of the preceding, very showy; hardy annual; from Japan; 1 ft. .15

481 — — **Diadematus, fl. pl.,** a superb variety of dwarf, compact habit, flowers very large, of various tints of rose, maroon and purple, one of the finest of its species .15

482 — — **laciniatus,** white, flesh, rose, red carmine, violet, purple and rich maroon, double and beautifully fringed, two to three inches in diameter; hardy annual; from Japan; 2 ft. .10

483 — — — **fl. pl.,** double variety, with very large and magnificent double flowers in a great variety of colors, hardy annual; from Japan; 2 ft. .20

484 — **Imperialis, fl. pl.** (*Double Imperial Pink*), beautifully variegated, many colors mixed, hardy annual .10

491 **moschatus, fl. pl.** (*Double Garden Pink*), saved from the finest double named varieties, half-hardy perennials. .25

492 — **fine mixed varieties** .10

1480 — **New Japanese—Eastern Queen and Crimson Belle.**—These beautiful forms of the popular D. Heddewigii are very distinct and desirable. Eastern Queen is beautifully marbled; the broad bands of rich mauve upon the paler surface of the petals are very striking and pretty. Crimson Belle is of a rich, vivid crimson lake color, of extraordinary size, evenly and finely laciniated, each .25

DIDISCUS.

A pretty plant; from Australia; half-hardy annual.

493 **Didiscus cæruleus,** blue; 1½ ft. .05

DIGITALIS (Foxglove).

Very ornamental and exceedingly showy plants for shrubberies and other half-shady places; from Europe; hardy perennials.

494 **Digitalis purpurea,** purple spotted .05

495 — — **alba,** a pure white variety; 3 ft. .05

496 — — **gloxinoides,** beautiful varieties with Gloxinia-shaped flowers; 3 ft. .10

500 — **extra fine mixed** .10

No. **DOLICHOS (Hyacinth Bean).** *Price.*

A beautiful class of quick growing ornamental climbers; tender annuals.

501 **Dolichos Lablab,** purple $0.05

502 — — **alba,** white .05

ECCREMOCARPUS (Calampelis).

A rapid growing plant, with compact and pretty foliage, from which issue numerous clusters of handsome tube-shaped flowers; invaluable for covering the stumps of old trees, unsightly walls, etc.; tender annual.

504 **Eccremocarpus scaber,** orange; 10 ft. .10

ECHEVERIA.

Very popular plants for bedding or pot culture. A group composed of the different varieties can be made one of the most attractive objects in the flower garden.

505 **Echeveria metallica,** broad, large, succulent leaves, beautifully shaded with a purplish glaucous hue. It is a greenhouse plant, but grows freely in the open ground in Summer .50

506 — — **glauca,** similar in habit to the above, fine foliage .50

ERYSIMUM.

Very showy, free flowering, handsome, hardy annuals, very effective in beds, mixed borders, or ribbons; succeed in light rich soil.

510 **Erysimum Arkansanum,** sulphur yellow, very handsome; 1½ ft. .05

511 — **Peroffskianum,** orange; 1½ ft. .05

ERYTHRINA.

A splendid genus of half-hardy shrubs, with fine leaves and beautiful brilliant scarlet flowers; they grow freely out-of-doors if planted in a warm situation.

512 **Erythrina corallodendron** (*Coral Tree*), scarlet; from West Indies; 6 ft. .25

513 — **crista-galli,** scarlet; from Brazil .25

ESCHSCHOLTZIA.†

An exceedingly showy, profuse flowering genus of plants, with extremely rich and beautiful colors; attractive for bedding, massing, or ribboning; light rich soil; half-hardy perennials.

515 **Eschscholtzia Californica,** bright yellow, rich orange center; 1 ft. .05

516 — **compacta,** yellow and orange; 1 ft. .05

517 — **crocea,** rich orange; 1 ft. .05

518 — — **alba,** creamy white; ½ ft. .05

No. 524.—Euphorbia Variegata.

No. 532.—Forget-me-not.

No. **ESCHSCHOLTZIA.**—*Cont'd.* *Price.*

519 **Eschscholtzia tenuifolia,** primrose with orange center, very compact; ½ ft. $0.05
520 — **crocea striata,** flowers orange, striped lemon yellow ..... .05
521 — **dentata aurantiaca** ..... .05
522 — — **sulphurea** ..... .05
521 and 522 are new varieties, each petal having its edge lapped upon itself, the edges curiously jagged or toothed.
1481 — **Mandarin.**—The inner side of the petals is of a rich orange color; the outer side being the brilliant scarlet known as the mandarin scarlet ..... .15

ETERNAL, or Everlasting Flowers.

A very ornamental border plant, the blossoms of which are extensively used for Winter bouquets; hardy annuals.

523 **Eternal flowers,** many varieties and species mixed ..... .10

EUPHORBIA.

524 **Euphorbia variegata,** white, foliage nicely veined, and margined with white, a showy plant for the border; half-hardy annual ..... .05

EUTOCA.

Show and free flowering plants, from California, suitable for beds or mixed borders; hardy annuals.

525 **Eutoca multiflora,** pink, a profuse bloomer; 1½ ft. ..... .05
526 — **viscida,** bright blue; 1 ft. ..... .05

EVENING PRIMROSE† (Œnothera).

A fine border perennial of easy culture—succeeds best in a light sandy soil.

528 **Evening Primrose** (*Œ. Biennis*), yellow; 2 ft. ..... .05

FERNS.

This graceful and magnificent order is too well known and highly appreciated, to need description; from the seed we offer the amateur has the certainty of raising many elegant and graceful varieties; delights in peaty sandy soil.

530 **Ferns,** mixed, from choicest varieties ... .25

FORGET-ME-NOT† (Myosotis).

A favorite and well-known border plant, flowers early, blooms freely, and is indispensable for Spring gardening; half-hardy perennial. (See *Myosotis.*)

532 **Forget-me-not,** fine mixed varieties ... .10

No. **FRAXINELLA.** *Price.*

Handsome, very fragrant, free flowering, herbaceous plants, suitable for mixed borders; succeed in any common soil; hardy perennial.

533 **Fraxinella,** white; 2 ft. $0.05
534 — red; 2 ft. ..... .05

FRENCH HONEYSUCKLE† (Hedysarum).

A free growing border plant, of easy culture; hardy perennial.

535 **French Honeysuckle,** red and white .. .05

FUCHSIA.

A well-known plant, of easy culture in pots, for conservatory or parlor decoration, or the open border; greenhouse perennial.

536 **Fuchsia,** from the finest single and double named varieties ..... .50
537 — **fine mixed** ..... .25

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in beauty during Summer and Autumn; hardy annuals.

538 **Gaillardia alba marginata,** white edged; 1½ ft. ..... .05
539 — **grandiflora hybrida,** rich crimson and yellow, very large; 1½ ft. ..... .05
540 — **picta,** crimson and yellow; 1½ ft. .... .05
541 — **Richardsoni,** orange with brown center; hardy perennial; 1½ ft. ..... .05

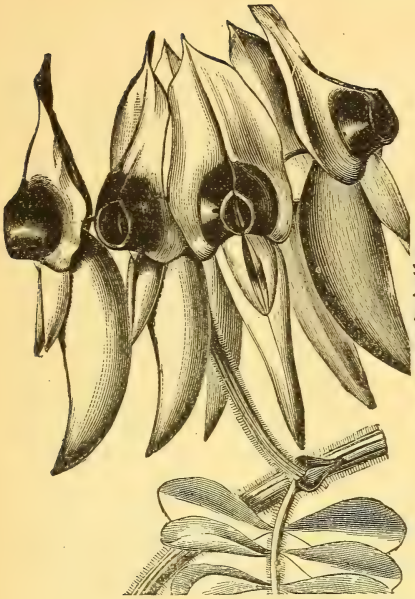
GERANIUM (Pelargonium).

These well-known garden favorites are as indispensable for in-door as for out-of-door decoration, and should be extensively cultivated; the seed we offer having been saved from first-class varieties, the amateur has a fair chance of raising many charming novelties. Greenhouse perennial.

546 **Geranium,** fine mixed ..... .25
547 — fancy varieties, mixed ..... .25
548 — — extra, from prize flowers ..... .50
550 — new French hybrid (*Odier*) fine spotted, extra fine ..... .50
551 — scarlet, fine mixed ..... .10
552 — — extra fine ..... .25
553 — — **Bull's hybrids,** embracing the finest golden and silver tricolored gold and bronze varieties ..... .50
554 — **apple scented,** very fragrant ..... .25

GESNERIA.

555 **Gesneria,** beautiful stove plants, producing their brilliantly colored flowers in handsome spikes ..... .25



Clianthus Dampieri.
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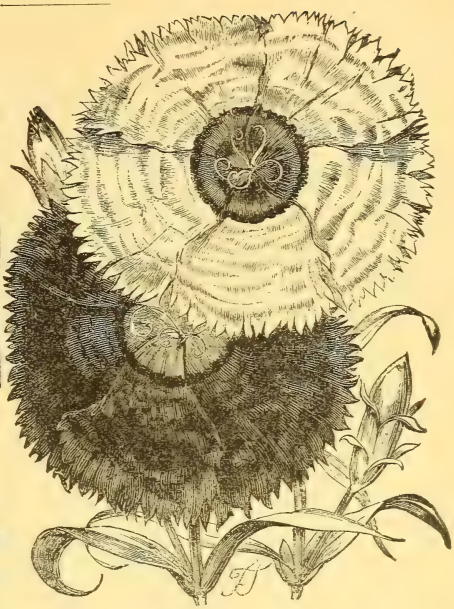

Dianthus, New Japanese.
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Eschscholtzia Mandarin.
No. 1481. *Page* 22.

Celosia Pyramidalis Plumosum.
No. 1450. *Page* 16.

No. 604. Page 26.

No. 572.—Globe Amaranthus.

No. 574.—Gloxinia.

No. **GILIA.** *Price.*

Very pretty dwarf annuals; bloom in almost any situation, grow well in pots, and may be placed in a rockery; hardy annuals.

558 **Gilia achilleæfolia,** purple lilac; 1½ ft. $0.05
560 — **tricolor,** white, lilac and purple; ¾ ft. .05
562 — — **rosea,** rose, purple and white. .05
563 **capitata,** celestial blue; ¾ ft. .05

GLADIOLUS.

The seed offered has been carefully saved from the finest named hybrids of Gandavensis. Half-hardy bulbs. See special list of Summer Bulbs.

564 **Gladiolus Gandavensis,** from the finest named varieties. .25
565 — — **small bulbs,** saved from the finest named varieties. These bulbs are of the size of peas, and are formed at the root of the parent bulb. Most of them will produce flowering bulbs for next season; packets of 20 small bulbs. .25

GLOBE AMARANTHUS (Gomphrena).

Extremely handsome everlastings, with showy, pretty flowers, which may be cut in Summer and preserved for Winter bouquets. (See *Everlasting Flowers.*) Half-hardy annuals.

572 **Globe Amaranthus,** finest mixed varieties. .05

GLOXINIA.

A superb genus of greenhouse plants, producing in great profusion beautiful flowers, of the richest and most beautiful colors; thrive best in sandy peat and loam; stove perennial bulbs.

573 **Gloxinia,** fine mixed. .25
574 — **extra,** from the finest erect and drooping varieties. .50

GODETIA.

A very desirable, free flowering genus, particularly attractive in beds, mixed borders and ribbons; hardy annuals.

1468 **Godetia Lady Albemarle,** a superb novelty in this favorite class of annuals. The plants are densely bushy and compact, about 12 inches high, and covered with a profusion of splendid rosy-carmine flowers, 3 to 4 inches across. .15
576 — **Lindleyana,** pearl lilac, with carmine center; 1½ ft. .05
587 — **the Bride,** splendid variety, with cup-shaped blossoms of pure white, with a broad and brilliant crimson ring at the base of the corolla. .05

No. **GODETIA.**—*Cont'd.** *Price.*

589 **Godetia Whitneyi,** dwarf habit, large flowers; petals blush, marked about the center with a handsome crimson stain. $0.05
590 — **extra fine mixed varieties** .10

GOURDS ORNAMENTAL (Cucumis and Curcubita).

The varieties in this collection have been selected either for the ornamental character of their foliage, the singularity or symmetry of their fruit, or the variety and peculiarity of their coloring; some are of very large size and of curious form, while others are miniatures of various forms. The colors range from white to crimson, orange and scarlet, with various shades of green. Some are striped, spotted, dappled or curiously variegated; others self-colored. The growth is as diversified as the fruit; some are vigorous growers, others slender and delicate. The latter are very desirable for covering arches, verandas or trellis-work. The strong growers are valuable for training over arbors, stumps of trees, rocks or fences. Wherever they are trained they never fail to excite admiration. Cultivation the same as for squashes or melons.

419 **Cucumis Anguria,** yellow, fruit small, growing in pairs. .10
420 — **dipsaceus,** sulphur yellow, teasel-like, elegant. .10
421 — **flexuosus,** snake cucumber, 3 feet long. .10
422 — **medulliferus,** scarlet, thorny. .10
423 — **Melo Chito,** variegated, brown and yellow, small oval fruit, very pretty. .10
424 — **perennis,** foliage highly ornamental. .10
426 **Cucurbita argyrosperma,** fruits large and finely striped or mottled. .10
427 — **digitata,** rapid grower, foliage marbled with white, fruits dark green, striped white. .10
429 — **lagenaria gigantea** (*Sugar Trough Gourd*), very large, hold several gallons. .25
598 **Leucantha,** *long fruited,* very singular. .10
591 **Gourd, Anguria,** beautiful creeper, showy fruit. .10
592 — **bottle,** well known and very useful. .05
593 — **apple-striped,** very ornamental. .10
594 — **egg-shaped,** closely resembling an egg. .10
595 — **gooseberry,** small fruit, very pretty .10
596 — **Hercules' club,** club-shaped, curious. .10
597 — **miniature,** orange and green striped, very ornamental, one of the best. .10

No. 420.—Cucumis dipsaceus.

No. 596.—Gourd Hercules' Club.

No. *Price.*

GOURDS ORNAMENTAL.—*Cont'd.*

599 **Gourd, orange,** very ornamental, fruit resembling an orange.....$0.05
600 — **pear-shaped**.....05
601 — **flat Corsican**.....10
602 — **Bishop's Head,** orange, white and green striped.....10
603 — **lemon,** small.....10
604 — **fine mixed,** ornamental, saved from a collection of fifty varieties.....25

GYPSOPHILA.

A pretty, free-flowering, elegant little plant, best adapted for rustic rock-work, baskets and edgings, succeeding in any garden soil; hardy annuals.

608 **Gypsophila elegans,** white and pink; fine for table bouquets; 1½ ft.....05
609 — **muralis,** a charming little plant, covered with pretty little red flowers, which contrast beautifully with its extremely graceful foliage; ¼ ft.....10

HELIANTHUS (Sun-Flower).

A well-known genus of the most showy plants, remarkable for their stately growth and the brilliancy and size of their flowers; hardy annuals.

613 **Helianthus Argophyllus,** yellow, double, leaves silky white; 5 ft.....05
614 — **Californicus,** orange, extra large and double; from California; 5 ft.....05
615 — **green centered,** yellow, very double, with a conspicuous green center; 4 ft.....10
616 — **Russian mammoth,** very large; per oz., 25c.....05
617 — **grandiflorus plenissimus,** large double flowers, which form a complete ball when fully expanded.....05
619 — **globosus fistulosus,** exceedingly large globular-formed flowers, of a bright rich saffron color.....10

HELICHRYSUM.

630 **Helichrysum,** finest varieties mixed; hardy annual (see *Everlasting Flowers*) .10

HELIOTROPE.

A well-known genus of profuse flowering and deliciously fragrant plants, splendid for bedding or ribboning, and for baskets or pot culture; seeds sown in Spring make fine plants for Summer and Autumn decoration; light rich soil; half-hardy perennial.

637 **Heliotrope,** finest mixed.....10

No. **HIBISCUS.** *Price.*

One of the most ornamental, beautiful and showy genera of plants cultivated; characterized by the size, and varied and beautiful colors of their flowers.

646 **Hibiscus Africanus,** cream color, rich brown center; hardy annual; 1½ ft.....$0.05

HOLLYHOCK.

This splendid plant now ranks with the Dahlia for Autumn decoration, and from its stately growth and the varied colors of its magnificent spikes of flowers, may justly demand a place in every large garden or pleasure ground. If sown early in heat the plants may be in bloom the first year. Hardy perennials.

650 **Hollyhocks,** the choicest double mixed, from the finest English prize varieties, .25
651 — double fine, mixed.....10

HONESTY (Lunaria).

Early Summer free flowering plants, with silvery seed pods, much admired for winter decoration with ornamental grasses, etc. Hardy biennials.

653 **Honesty** (*Lunaria biennis*), purple, very showy; 2 ft.....05

HUMEA.

A remarkably handsome plant, invaluable for decorative purposes, whether in the conservatory, or dispersed in pots about the lawn, planted in the centers of beds or mixed borders; its majestic and graceful appearance renders it a most effective and striking object; half-hardy biennial.

656 **Humea elegans,** red; 3 ft.....15
1469 — — **albida.**—As the panicles of this new variety are of a whitish shade, it will be found very effective if employed together with the above. The flowers are also useful for bouquets.....25

IBERIS (Perennial Candytuft).

Profuse blooming pretty little plants, especially adapted for rockeries, old stumps or rustic baskets; they come into flower amongst the earliest Spring plants, and for a long time continue a dense mass of beauty. Hardy perennials.

658 **Iberis sempervirens,** pure white; ½ ft. .05

ICE PLANT (Mesembryanthemum crystallinum).

659 **Ice Plant,** a pretty little trailing plant, much used for garnishing, the leaves of which are covered with crystalline globules, thus giving it the appearance of being coated with ice; half-hardy annual.....05

No. 659.—Ice Plant.

No. 663.—Ipomea hederacea superba.

No. **IPOMŒA** (Convolvulus).** *Price.*

Of all flowers in general cultivation, this ranks pre-eminent for delicate and intrinsic beauty; the brilliant and varied hues of its many species and varieties are exceedingly beautiful, and its fine foliage and graceful form render it an indispensable ornament for greenhouse, conservatory or garden decoration. They may be successfully cultivated against walls or trellises, over old stumps of trees; or they may be made to form attractive features, intermixed among other climbers. Tender annuals.

661 **Ipomœa Bona Nox,** violet, very large, fragrant blossoms, which expand in the evening; 10 ft. $0.10
662 — **coccinea** (*Star Ipomea*), scarlet, small flowers, in great profusion; 8 ft. .. .10
663 — **hederacea superba,** bright blue, with white margin, with ivy-like foliage, very showy; 8 ft. ..... .10
665 — **limbata elegantissima,** one of the finest of this genus; rich bluish purple center in the form of a star, with broad pure white margin ..... .15
666 — **Learii,** rich blue, changing to red, magnificent; from Ceylon; 20 ft. ..... .25
668 — **purpurea** (*Morning Glory*), finest mixed ..... .05
669 — **Quamoclit vulgaris** (*Crimson Cypress Vine*) ..... .05
670 — — **fl. alba** (*White Cypress Vine*), pure white ..... .05
671 — — **fl. rosea** (*Rose-colored Cypress Vine*), rose ..... .05
674 — **fol marmoratis,** new Japanese varieties, foliage beautifully mottled and marbled with white, flowers of various colors, mixed ..... .10
1470 — **leptophylla,** a native variety from Colorado, first discovered by Gen. Fremont. A few years ago a root was sent to the East which was shaped like an enormous Rutabaga and would nearly fill a flour barrel. While the root is decidedly perennial, the stems are annual, two to three feet or more high, and branching from the very base, throwing out great numbers of branches, and forming a bushy mass about as broad as it is high. The flowers are two to two and a half inches long, funnel-formed, and of a pleasing rose-purple color, and are produced in the greatest profusion, a large plant having the appearance of an immense bouquet. (Roots, 50 cents each), see cut, page 44. .15

No. **IPOMOPSIS (Gilia).** *Price.*

Remarkably handsome, free flowering plants, with long spikes of dazzling orange and scarlet flowers, very effective for conservatory and outdoor decoration; succeed in light, rich soil; half-hardy biennials.

677 **Ipomopsis aurantiaca,** orange; 3 ft. ... $0.05
679 — **elegans,** scarlet; from Carolina; 3 ft. .05
680 — **picta,** orange, scarlet and gold; 3 ft. .. .05
681 — **elegans var. sanguinea,** scarlet, one of the most brilliant varieties ..... .10
681½ — **fine mixed varieties** ..... .10

JACOBÆA (Senecio).

A useful and exceedingly showy class of gay colored, profuse blooming plants; delight in a light rich soil; hardy annual.

691 **Jacobæa,** fine mixed double varieties .. .10

LANTANA.

A remarkably handsome, free flowering genus of plants, with brilliantly colored flowers, constantly changing in hue; very effective, either for pot culture or for bedding.

697 **Lantana,** finest varieties mixed ..... .15

LARKSPUR (Delphinium).

Extremely ornamental plants of great beauty, combining the richest possible variety of brilliant and effective colors, with great duration and profusion of bloom. The dwarf growing varieties are very effective in long lines and groups; the candelabra-flowered forms a beautiful pyramid, shaped like a many-branched candlestick. For large beds on lawns, or masses and mixed flower borders, also for cut flowers, the taller growing varieties are the most desirable. (See *Delphinium.*) Hardy annuals.

698 **Larkspur double dwarf rocket** (*Hyacinth-flowered*), fine mixed ..... .05
699 — — **stock-flowered,** fine mixed, long spikes of bloom, very double ..... .05
700 — — **ranunculus-flowered,** very double, extra fine ..... .05
701 — — **candelabra-flowered,** fine mixed, a splendid novelty ..... .10
702 — — **tall rocket,** fine mixed ..... .05
703 — — — **stock-flowered,** combining the finest colors ..... .05
704 — — — **tricolor elegans,** rose, white and blue, very handsome ..... .05
1410 — **New Emperor,** of symmetrical, bushy habit, profuse bloomer, very double, colors various ..... .10
1426 — **Bismarck,** red-striped, intermediate between the Candelabrum and Emperor, and is alike constant in habit, and color of flower ..... .10

No. 740.—Lophospermum scandens.

No. 745.—Lobelia erinus.

No. **LATHYRUS (Everlasting Pea).** *Price.*

Showy, free flowering plants, growing in any common soil; very ornamental on trellis-work, old stumps, or for covering fences or walls; hardy perennials.

705 **Lathyrus latifolius,** purple; 5 ft. $0.10
706 — — **albus,** white; 5 ft. ..... .10
707 — — **grandiflorus,** large flowers, purplish rose ..... .10
708 — **rotundifolius** (round leaved), dull scarlet ..... .10

LAVENDULA (Lavender).

A genus of plants chiefly cultivated on account of the delicious fragrance of their flowers; they succeed in any common soil; hardy perennial.

709 **Lavendula spica,** lilac; from southern Europe; 2 ft. ..... .05

LINUM.

One of the most effective and showy bedding plants we have; habit of growth is slender and delicate.

730 **Linum grandiflorum coccineum,** brilliant crimson, producing a profusion of beautiful saucer-shaped flowers, of a rich scarlet-crimson, with dark black center; hardy annual ..... .05
731 — **Lewisii,** blue, with white stripes, 2 ft. ..... .10
735 — **candidissimum,** pure white ..... .05

LOASA (Caiophora).**

A handsome genus of rapid growing, free flowering climbers, with curious and beautiful flowers, which must not be handled, nor any part of the plant, without gloves, as the hairs sting.

737 **Loasa aurantiaca,** orange; half-hardy perennial ..... .10
738 — **Herbertii,** scarlet; half-hardy perennial ..... .10
739 — **tricolor,** yellow; hardy annual ..... .10

LOPHOSPERMUM.**

An exceedingly beautiful and highly ornamental genus of climbers, with handsome, showy, foxglove-like flowers; may be used with advantage for hanging-baskets; half-hardy annuals.

740 **Lophospermum scandens,** rosy purple, very fine trellis plant ..... .15

LOVE LIES BLEEDING.

Exceedingly graceful, free flowering, highly ornamental plants, very effective in mixed borders.

742 **Love lies bleeding** (*Amaranthus Caudatus*), red; 2 ft. ..... .05

No. **LOBELIA.** *Price.*

Exceedingly pretty, profuse blooming plants, of great value and importance to the flower garden. The low growing kinds make the most beautiful edgings. All the varieties of L. erinus are valuable for hanging-baskets, rustic-work or vases, over the edges of which they droop in the most graceful and elegant manner. The perennial varieties, with their handsome spikes of flowers, are exceedingly ornamental, and are valuable from their blooming in Autumn.

744 **Lobelia Crystal Palace compacta**—Plant of dense and bushy habit, producing large flowers of fine ultramarine blue $0.10
745 — **Erinus,†** deep blue, flowers in profusion; half-hardy annual; ½ ft. ..... .10
746 — — **compacta,†** compact, deep blue, white center; half-hardy annual; ½ ft. .. .10
747 — — — **alba,†** fine, pure white, new; half-hardy annual; ½ ft ..... .10
1458 — — **erecta bicolor,** a profuse blooming variety, of a compact bushy habit, with erect branches, giving the plant almost the shape of a ball; flowers white and blue ..... .10
750 — — **speciosa** (*Crystal Palace variety*), deep blue, extremely beautiful; half-hardy annual; ½ ft. ..... .10
751 — — **Paxtoniana,** fine habit, with profuse bloom of pure white, with sky blue belt; half-hardy annual; ½ ft. ..... .10
752 — **gracilis,** slender, pale blue; half-hardy annual ..... .10
753 — — **alba,** a white variety of preceding; half-hardy annual; ½ ft. ..... .10
754 — — **erecta,** fine, new, compact, well adapted for pots; half-hardy annual .... .10
755 — **ramosa,†** blue, large flowers; ¾ ft. .. .10
756 — — **alba,†** a fine white variety; ¾ ft. .. .10
757 — **cardinalis** (*Cardinal Flower*), a well-known native variety, with long spikes of brilliant scarlet flowers, one of the finest border perennials; 2 ft. ..... .10
759 — **Queen Victoria,** deep scarlet, fine. .. .25
1482 — **mixed hybrids of Fulgens and Cardinalis,** foliage varying from bright green to brown or reddish green; flowers large, resembling those of L. Cardinalis in shape; splendid shades of colors, ranging from light rose to fiery red, and from tender lilac to light purple and bluish violet; in bloom from July to October; hardy perennials ..... .25

No. 791.—Marigold African.

No. 796.—Marigold French.

No. **LUPINUS.** *Price.*

A splendid genus of ornamental, beautiful and free flowering garden plants, with long graceful spikes of bloom; colors rich and varied.

769 **Lupinus affinis,** blue, white and purple; hardy annual; ½ ft. $0.05
770 — **albo-coccineus,** rich rosy red half way of the spike, from thence to the apex pure white; hardy annual ..... .10
772 — **Cruikshankii,** blue, white and yellow; hardy annual; 3 ft. ..... .05
773 — **Hartwegii,** mixed colors; hardy annual; 1½ ft. ..... .05
774 — **hybridus insignis,** mixed colors; hardy annual; 2 ft. ..... .05
775 — **mutabilis,** changeable, mixed colors; hardy annual; 2 ft. ..... .05
778 — **pubescens elegans,** purple, violet and white; hardy annual; 1½ ft. ..... .10
779 — **polyphyllus,** blue; hardy perennial .. .05
780 — — **albus,** white; 3 ft. ..... .05
781 — **tricolor elegans,** white, lilac and purple; hardy annual; 1 ft. ..... .10
783 — annual varieties mixed; hardy ..... .05
784 — perennial varieties mixed; hardy ..... .05

LYCHNIS.†

A genus of handsome and highly ornamental plants, of easy culture; strikingly effective in mixed flower and shrubbery borders; good rich soil; hardy perennials.

760 **Lychnis Chalcedonica,** scarlet; 2 ft. ... .05
761 — — **alba,** white; 2 ft. ..... .05
762 — **flos Jovis** (*Jove's Flower*), brilliant red; 1½ ft. ..... .05
763 — **fulgens,** bright scarlet; 1½ ft. ..... .05
764 — **Haageana,** bright scarlet, splendid .. .10
765 — — **hybrida,** white, red and scarlet, of various shades ..... .10
768 — **viscaria splendens,** rose pink, very beautiful; 1 ft. ..... .10

MALOPE.

Handsome plants, of a branching habit, producing their large flowers in great profusion; very effective in mixed borders. Succeed in common garden soil. Hardy annuals.

787 **Malope grandiflora,** dark crimson .... .05
788 — **trifida alba,** white; 2 ft. ..... .05

MALVA, or MALLOW.

Showy and free flowering border plants, succeeding in any common garden soil; hardy annuals.

789 **Malva zebrina,** pretty, white and purple, striped; 2½ ft. ..... .05
790 — **moschata,** rose, foliage musk-scented; ½ ft. ..... .05

No. **MARIGOLD (Tagetes).** *Price.*

Well-known, free flowering plants, with handsome double flowers, of rich and beautiful colors. The African, the tallest, is also the most striking in large beds, mixed flower and shrubbery borders. The dwarf French is used as a foreground to taller plants, and makes splendid compact edgings to beds or borders. See *Calendula* and *Tagetes* for other varieties. Half-hardy annuals.

791 **Marigold, African** (*Tagetes erecta*), double, lemon; 2 ft. $0.05
792 — — orange, double; 2 ft. ..... .05
795 — — varieties, mixed ..... .05
796 — **French** (*Tagetes Patula*), tall, double, branching, brown; 1½ ft. ..... .05
797 — — **tall,** orange, double; 1½ ft. ..... .05
798 — — — striped, double, brown striped with yellow; 1½ ft. ..... .05
799 — — **dwarf,** brown, double; 1 ft. ..... .05
800 — — — yellow, double; 1 ft. ..... .05
801 — — — striped; double; 1 ft. ..... .05
802 — — — varieties, mixed ..... .05
803 — — **Dunnett's new orange,** extra .... .05
1483 — — **New Pyramidal.**—A splendid strain, including about a dozen colors, finely marked. The plants become perfect specimens, growing about one foot high and three feet in circumference, remaining a mass of bloom throughout the season ..... .10

MARTYNIA.

Handsome, free flowering plants, producing a fine effect when planted in the open border, delighting in a light, rich soil and warm situation. The young fruit or seed pods are highly esteemed for pickling; tender annuals.

806 **Martynia Craniolaria,** white; 2 ft. .... .05
807 — **fragrans,** fragrant, purple; 2 ft. ..... .05
809 — **proboscidea,** light blue; 2 ft. ..... .05

MARVEL OF PERU (Mirabilis).

Few plants combine so much beauty, both of foliage and flowers, as this handsome genus; the roots may be preserved through the Winter; sometimes called *Four o'clocks;* half-hardy perennials.

810 **Marvel of Peru,** gold striped; 2 ft. .... .05
816 — — sweet scented, white; 2 ft. ..... .05
817 — — variegated, foliage very ornamental, purple; 2 ft. ..... .10
818 — — fine mixed; 2 ft. ..... .05

MATRICARIA† (Feverfew).

Handsome, free flowering, ornamental plants, fine for bedding or pot culture; half-hardy perennials.

820 **Matricaria capensis,** dwarf, double, white, very fine; ¾ ft. ..... .10

No. 1022.—Polyanthus. *Page* 38.

No. 1484.—Mignonette, Miles' New Spiral. *P.* 31.

No. 1485.—Shell Flower. *Page* 31.

No. 737.—Loasa aurantiaca. *Page* 28.

No. 842.—Mimulus maculosus.

No. 844.—Mimulus, New White Ground.

No. 823.—Maurandya Barclayana.

No. 836.—Sweet Mignonette.

No. **MATRICARIA.**—*Cont'd.* *Price.*

821 **Matricaria eximia,** white, quilled.....$0.10
822 — — **grandiflora,** an improved pure white variety, very double, large flowers, continue in bloom all Summer, .20

MAURANDYA. **

These superb climbers can not be too strongly recommended; they are particularly adapted for greenhouse or conservatory decoration, or for training in columns in the flower garden; half-hardy perennials.

823 **Maurandya Barclayana,** deep violet, beautiful dwarf climber..... .10
824 — — **alba,** pretty white variety..... .10
825 — — **Luceyana,** rose, very showy..... .10
828 — **fine mixed**..... .10

MESEMBRYANTHEMUM.

A brilliant and profuse flowering tribe of dwarf growing plants, effective in beds, edgings, rockwork, rustic baskets, or vases in warm sunny situations; fine for pot culture.

829 **Mesembryanthemum capitatum,** pale yellow; ¾ ft..... .05
830 — **crystallinum** (*Ice Plant*), white; ½ ft. .05
833 — **tricolor,** rose pink, with purple center; ½ ft..... .05
834 — — **album,** silvery white, purple center; ½ ft..... .05
835 — **fine mixed**..... .10

MIGNONETTE.

A well-known fragrant favorite, which produces a pleasing contrast to the more showy occupants of the parterre; if well thinned out immediately the plants are large enough, they will grow stronger, and produce larger spikes of bloom; the seed should be scattered about shrubbery and mixed flower borders, where it grows readily; hardy annual.

836 **Mignonette sweet** (*Reseda odorata*); 20 cents per ounce; ½ ft..... .05
837 — **large flowered** (*R. grandiflora*); 25 cents per ounce..... .05
838 — **improved large flowering pyramidal.**—This is quite distinct on account of its robust pyramidal growth, and remarkably large flowers, which are of an orange red color..... .10
839 — **Parsons' new white flowering,** a distinct variety almost white, flowers in very long spikes and delightfully fragrant, highly recommended..... .10
1432 — **Prize Taker.**—This new variety excels in the beauty of color and size of flower, and can be highly recommended .10

No. **MIGNONETTE.**—*Cont'd.* *Price.*

1484 **Mignonette Miles' New Hybrid Spiral.**—A new and superb variety, the habit being dwarf and branching, with spikes often attaining a length of from 8 to 14 inches; very fragrant, much admired $0.15

MIMULUS.†

A genus of extremely handsome, profuse flowering plants, with singularly shaped and brilliantly colored flowers, which are distinguished by their rich and strikingly beautiful markings. Seed sown in Spring makes fine bedding plants for Summer blooming, while seed sown in Autumn produces very effective early flowering greenhouse plants. Half-hardy perennials.

840 **Mimulus cardinalis,** scarlet; 1 ft..... .10
841 — **cupreus,** bright orange crimson, valuable bedding plant; ½ ft..... .10
842 — — **maculosus,** flowers large, well shaped, spotted, stained, marbled, speckled, dotted and blotched in the most striking manner..... .10
843 — — **tigridoides,** exquisitely spotted and marbled with various shades of crimson upon golden yellow ground..... .10
844 — — **new white ground,** ground color white, beautifully spotted and maculated with velvety brown, very fine .... .25
845 — **new double flowering,** the calyx in this variety, instead of being of the usual green color, is colored and spotted like the corolla, forming a duplex flower, very showy..... .25
846 — **Roezlii,** a new species, flowers bright yellow, the throat being prettily spotted with red; it blooms abundantly during the whole season..... .25

MOLUCELLA (Molucca Balm).

1485 **Molucella lævis** (*Shell Flower*).—A singular plant, with square stems spreading and curling upwards like the arms of a candelabrum, which end in tufts of bright leaves and tiny cups of pea green color, veined with whitish green; within the calyx a button-shaped bud appears, which unfolds into a flower formed like a shell, of a white and purple color, very curious..... .15

MORNING GLORY.

A well-known favorite; should have a place in every garden. (See *Convolvulus*). Hardy annual.

847 **Morning Glory,** finest mixed varieties. .05

No. 848.—Momordica Balsamina.

No. 857.—Nasturtium Dwarf.

No. **MOMORDICA.** *Price.*

Trailing plants, with curious and very ornamental foliage; the fruit is of a golden yellow color, warted, and when ripe, opens, disclosing its seeds and brilliant carmine interior. Planted on rock-work, stumps of trees, and allowed to ramble, they produce a very striking effect. Half-hardy annuals.

848 **Momordica balsamina** (*Balsam Apple*).....$0.05
849 — **charantia** (*Balsam Pear*).....05

MUSK PLANT.

This fragrant and universally favorite little plant is so well known, we need only remark that it is equally at home in the sitting-room, greenhouse, or flower garden; half-hardy perennial.

850 **Musk** (*Mimulus moschatus*); ¾ ft.....10

MYOSOTIS* (Forget-me-not).

Charming little plants, very popular, producing their beautiful star-like flowers in great profusion; invaluable for Spring garden decoration; half-hardy perennials.

851 **Myosotis alpestris,** bright blue; ½ ft..10
852 — — **alba,** white; ½ ft.....10
853 — **Azorica,** blue shaded with purple.....15
854 — — **cœlestina,** sky blue, very constant..15
856 — **dissitiflora,** clear blue, the earliest of the Forget-me-nots, continues in bloom a long time.....15
1412 — **palustris semperflorens,** a beautiful variety of the true Forget-me-not, of lovely transparent azure blue, continues in bloom without interruption during the whole season until frost.....25

NASTURTIUM DWARF (Tropæolum nanum).

The dwarf improved varieties of Nasturtium are among the most useful and beautiful of garden favorites, for bedding, massing, or ribboning; their close, compact growth, rich colored flowers, and the freedom with which they bloom, all combine to place them in the category of first-class bedding plants; should be grown in rather poor soil; hardy annuals.

857 **Nasturtium dwarf,** mixed.....05
858 — **Tom Thumb,** crimson.....10
859 — —**cœruleum roseum,** rose tinted maroon.....10
860 — — scarlet.....10
861 — — yellow.....10
862 — — **Beauty,** yellow, flushed vermilion,.10
863 — — **Crystal Palace Gem,** sulphur, spotted with mauve.....10

No. **NASTURTIUM DWARF.**—*Cont'd.* *Price.*

864 **Nasturtium dwarf, King Theodore,** new variety, dark green foliage, flowers almost black.....$0.10
865 — — **Pearl,** nearly white.....10
866 — — **rose,** a new color, very desirable..10
867 — — **Golden King,** golden yellow.....10
868 — — **King of Tom Thumbs,** deep scarlet blossoms, bluish green foliage..10
869 — **mixed varieties**.....10

NASTURTIUM TALL (Tropæolum Majus).

Well-known, profuse flowering plants, admirably adapted for rock-work, banks, covering trellises, or rustic-work; the seeds, if pickled young, are an excellent substitute for capers; hardy annuals.

870 **Nasturtium Tall,** mixed, per oz., 30c...05
871 — dark crimson, per oz., 30c.....05
872 — scarlet, per oz., 30c.....05
873 — **Dunnett's orange,** per oz., 50c.....05
874 — **Scheuerianum,** straw color, spotted brown.....05
875 — — fine striped scarlet.....05
876 — **Shillingi,** yellow spotted.....05

NEMESIA.

One of the prettiest, freest blooming, and most interesting of annual plants; adapted for beds, edgings, rock-work or pot culture; the growth is compact, and the blossoms so numerous as to entirely hide the foliage; half-hardy annual.

879½ **Nemesia,** finest mixed varieties.....05

NEMOPHILA.

This is perhaps the most charming and useful genus of dwarf growing hardy annuals; all the varieties have a neat, compact and uniform habit of growth, with shades and colors the most strikingly beautiful, so that ribboned, sown in circles, or arranged in any style which the fancy may suggest, the effect is pleasing and very striking; hardy annuals.

880 **Nemophila atomaria,** white with black spots; ½ ft.....05
882 — — **oculata,** celestial blue blotched with black; ½ ft.....05
883 — **discoidalis,** rich velvety black edged with white; ½ ft.....05
885 — **insignis,** clear bright blue, white center.....05
886 — — **alba,** pure white.....05
888 — — **marginata,** celestial blue edged with white.....05

No. 894.—Nierembergia Gracilis.

No. 898.—Nigella Hispanica.

No. **NEMOPHILA.**—*Cont'd.* *Price.*

890 **Nemophila maculata,** white, blotched violet, large flowers.....$0.05
892 — **all colors mixed**..... .05

NIEREMBERGIA.

Charming little plants, which flower profusely during the whole Summer; well adapted for hanging-baskets and edgings; half-hardy perennial.

893 **Nierembergia frutescens,** white..... .10
894 — **gracilis,** slender, lilac, yellow eye.... .10

NIGELLA (Love in a Mist, or Devil in the Bush).

Compact growing, free flowering plants, with curious-looking flowers and seed pods. From the extraordinary appearance of the stamens this genus has received its singular names. Hardy annuals.

895 **Nigella Damascena,** dark blue; ½ ft.. .05
896 — — **nana,** double, blue and white; ¾ ft. .05
897 — **Fontanesiana,** rich purple, a beautiful variety..... .05
898 — **Hispanica alba,** pure white; 1½ ft.. .05

NYCTERINIA.†

Neat, compact little plants, covered with pretty, sweet-scented, star-shaped flowers, valuable for edgings, rockeries, stumps or small beds. Half-hardy perennials.

900 **Nycterinia capensis,** white, yellow center; ⅓ ft..... .10

NOLANA.

An extremely beautiful, free flowering genus of trailing plants, the flowers resembling the Convolvulus Tricolor, but softer in color, while some are beautifully penciled; fine for rock-work, hanging-baskets, old stumps, etc.; hardy annuals.

902 **Nolana atriplicifolia,** blue, violet, white and yellow; ½ ft..... .05
903 — — **alba,** white, yellow center; ½ ft... .05
904 — **lanceolata,** blue and violet mixed... .10

ŒNOTHERA.

A magnificent genus, one of the most useful and beautiful either for beds, borders, edgings or rock-work. All the varieties are free flowering and most of them perennials.

908 **Œnothera acaulis,** large, silvery white blossoms; hardy perennial..... .05
909 — **Drummondii,** yellow, free flowering and showy; hardy annual..... .05
911 — — **nana alba,** flower pearl white..... .10
912 — **grandiflora Lamarckiana,†** bright yellow, the most effective and strikingly beautiful of this splendid genus; flowers 3 to 4 inches in diameter..... .05

No. **ŒNOTHERA.**—*Cont'd.* *Price.*

913 **Œnothera grandiflora Veitchii,** pure yellow, crimson spotted; half-hardy annual; 1 ft.....$0.05
914 — **macrocarpa,†** deep yellow; hardy perennial; 1½ ft..... .05
915 — **taraxacifolia,†** pure white; hardy perennial; ¾ ft..... .10
916½ — **fine mixed varieties**..... .10

OXALIS.

A splendid class of plants, with brilliantly colored flowers and dark foliage, suitable either for greenhouse decoration, rock-work or rustic baskets out-of-doors; half-hardy perennials.

917 **Oxalis rosea,** rose colored, blooms abundantly; ½ ft..... .10
918 — **tropæoloides,** deep yellow, brown leaves; a very interesting variety; ½ ft .10

OXYURA.

A showy plant, with beautifully fringed flowers, produced in great abundance; hardy annual.

919 **Oxyura chrysanthemoides,** golden yellow, edged with white..... .05

PASSIFLORA, or PASSION FLOWER.

A genus of magnificent ornamental twiners, whose flowers are at once interesting and beautiful.

920 **Passiflora cœrulea,** sky blue..... .15
921 — **gracilis,** white; half-hardy annual.. .15

PANSY (Heartsease), Viola Tricolor.

This lovely flower, a favorite with every one, is too well known to need any description. Nothing can be more effective, whether grown in beds, ribbons, groups, or interspersed among other plants in the border. It is also admirably adapted for pot culture, for the decoration of the conservatory during the Winter and Spring months. The following collection embraces some of the finest varieties ever offered in this country. Hardy perennials.

922 **Pansy, English,** from named flowers... .25
923 — — **extra select,** saved from the finest collection in Europe; flowers very large, perfect in form, and markings of the richest, most beautiful colors.... .50
924 — — **fancy,** a new strain, flowers large, beautifully edged, marbled and variegated..... .50
925 — **Odier, or five blotched,** a French variety of great beauty, each petal being distinctly blotched like the Geranium, some with pure white margins, others with bright golden borders..... .25
926 — **bronze,** very curious, with reddish-brown flowers..... .15

No. 912.—Œnothera Lamarckiana

No. 914.—Œnothera Macrocarpa.

No. **PANSY.**—*Cont'd.* *Price.*

927 **Pansy, blue,** various shades; very fine.. $0.15
928 — **Cliveden,** yellow, purple, magpie, white mixed ..... .25
930 — **Faust, or King of the Blacks,** deep coal black ..... .15
931 — **fawn colored,** very delicate shade... .15
932 — **gold margined,** new and distinct.... .15
933 — **golden yellow,** very beautiful..... .15
934 — **mahogany colored,** curious shade.. .15
935 — **marbled purple,** new colors; fine... .15
936 — **variegated or striped,** very showy. .20
937 — **white,** very appropriate for the cemetery and funeral decorations..... .20
938 — **French,** fine mixed..... .10
939 — **mixed,** common varieties..... .05
1414 — **Emperor William,** flowers of a brilliant ultramarine blue, with a well-defined eye of purple violet..... .25
1435 — new dwarf, compact bedding, pure white ..... .15
1436 — — — compact bedding, bright yellow .15

PAPAVER (Perennial Poppy).

The varieties under this head have immense flowers, and are remarkable for their rich and striking colors. In shrubbery borders or in select plantations they impart quite an oriental aspect. Hardy perennials.

940 **Papaver bracteatum,**† bright orange crimson, very large and handsome..... .10
943 — **orientale,** deep scarlet, with large black blotches; 2½ ft..... .10

PEAS, SWEET.

Exceedingly useful, well known, free flowering, highly ornamental plants, flourishing in any open situation, and when sown on rich soil, and mulched during dry, hot weather, will attain a considerable height; if not allowed to ripen seed they will continue blooming till destroyed by frost. Hardy annuals.

1490 **Peas, Sweet—Butterfly.**—A new and superb variety. The flowers have a pure white ground, delicately laced with lavender blue, and contrast admirably with the other varieties; the spikes of bloom when cut retain their fragrance for a long time, rendering it especially valuable for bouquets..... .15
1487 — — **Violet Queen.**—Dwarfer in habit than the other varieties, the flowers ranging in color from deep mauve to light violet; a new and beautiful form of this favorite flower..... 15
944 — — mixed, various colors; 6 ft.; per oz., 10c.; per lb., $1.00..... .05

No. **PEAS, SWEET.**—*Cont'd.* *Price.*

945 **Peas, Sweet—painted lady;** 6 ft.; per oz., 15c.; per lb., $1.50..... $0.05
946 — — **purple;** 6 ft.; per oz., 15c.; per lb., $1.50 ..... .05
947 — — **purple,** striped with white; 6 ft.; per oz., 15c.; per lb.; $1.50..... .05
948 — — **scarlet;** 6 ft.; per oz., 15c.; per lb., $1.00 ..... .05
949 — — **scarlet,** striped with white; 6 ft.; per oz., 15c.; per lb.. $1.50..... .05
950 — — **white;** 6 ft.; per oz., 15c.; per lb., $1.50 ..... .05
951 — — **invincible,** brilliant scarlet; per oz., 20c.; per lb., $2.00..... .05
952 — — — **black,** a new variety, very fine; per oz., 20c.; per lb., $2.00..... .10
953 — — **Crown Princess of Prussia,** delicate blush, fine; per oz., 20c.; per lb., $2.00 ..... .10
954 — **Lord Anson's,** sky blue; 1½ ft..... .05
955 — **scarlet Tangier;** 4 ft..... .05
956 — **everlasting** (see *Lathyrus*), fine mixed ..... .05

PENSTEMON.

Plants of a highly ornamental character, graceful in habit, and remarkable for the abundance and beauty of their individual blossoms. In bloom from July to October. Half-hardy perennials.

957 **Penstemon cordifolius,** fine scarlet... .10
960 — **Jaffrayanus,** brilliant blue, a superb variety; 1½ ft..... .10
961 — **Lobbii,** yellow, fine; 1½ ft..... .10
962 — **Murrayanus,** scarlet; 2 ft..... .10
963 — **Cobæa,** purple, shaded with maroon. .15
964 — **barbata Torcyi,** crimson and yellow .15
965 — **finest mixed,** hybridized varieties, very beautiful..... .15

PERILLA.

Amongst the ornamental foliaged plants for flower garden decoration the Perilla claims attention; its habit of growth is neat and shrubby, while its foliage is of a deep mulberry or blackish purple, and forms a fine contrast to the silvery foliage of Cineraria Maritima, or the lively green of other plants, in ribbons, centers of beds, or mixed flower borders; half-hardy annual.

968 **Perilla Nankinensis,** leaves deep mulberry or purplish black; 1½ ft..... .05
970 — — **atropurpurea foliis laciniatis,** the foliage of this variety is constantly and regularly fringed and toothed, which gives the plant an exceedingly attractive appearance..... .10

No. 481.—Dianthus diadematus. *Page* 21.

Nos. 923 & 924.—English and Fancy Pansies.

Two-thirds the average size.

1.—Group of New Hybrid Petunias.
No. 975.

2.—New Double Petunia.
No. 976.

No. 968.—Perilla Nankinensis.

No. 1027.—Double Poppy (French).

No.	**PETUNIA.**	*Price.*

A highly ornamental and profuse flowering, easily cultivated, garden favorite, equally effective and beautiful, whether grown in pots, for the decoration of the greenhouse and sitting-room window, or planted out in beds or mixed borders. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable; succeeds in any rich soil. Half-hardy perennials.

971 **Petunia argentea,** silvery white.....$0.05
972 — **nyctaginiflora,** white, fragrant..... .05
973 — **phœnicia,** small, deep purple..... .05
975 — **hybrida grandiflora,** from a celebrated German collection, flowers beautifully blotched, marbled, fringed and variegated, quality unsurpassed..... .25
976 — **new double,** the seed of this variety is unquestionably the best ever offered. Many of the flowers from which it was gathered were as double as the Camellia and measured three inches in diameter, most exquisitely marked with various shades of violet, purple, maroon and scarlet upon different colored grounds, producing a splendid effect. One-third of the plants raised from this variety of seed last season produced double flowers, while the single ones from the same packet of seed were marvels of beauty in their various shadings of color..... .25
982 — **new fringed varieties,** consisting of a great variety of colors, beautifully and finely fringed and blotched..... .25
1472 — **new double fringed.**—This variety is the result of most careful fecundation of the large flowering, single fringed Petunias with pollen taken from blooms of the newest and best double fringed sorts. In a percentage of 25 double-flowering seedlings, blooms so strikingly beautiful were obtained as to gain for them, both from horticulturists and amateurs, the most unqualified praise. Among the seedlings in question might have been seen flowers rivaling in doubleness those of the Double Garden Poppies, and emulating in color the richness and delicacy of tint of the finest Carnations. At a late Horticultural Exhibition in Germany they were subjects of general admiration, and were awarded, as a special mark of distinction, a State Medal..... .50

No.	**PETUNIA.**—*Cont'd.*	*Price.*

979 **Petunia, Countess of Ellesmere,** deep rose with pure white throat, one of the finest for bedding and groups, constant..$0.10
981 — **marginata,** various shades, bordered with a distinct and deep belt of green, very beautiful..... .25
983 — **striatiflora** (*Carnation striped*), flowers remarkable for the beauty of their markings and stripes of various colors, .25
984 — **fine mixed** varieties..... .10

PHASEOLUS.**

A beautiful conservatory climber, flowering in magnificent clusters, producing a fine effect.

985 **Phaseolus Caracalla,** lilac and white, very handsome..... .25

PHLOX PERENNIAL.

One of the finest of herbaceous plants, for beds or mixed borders. The seed offered is saved from the newest and best varieties. Hardy perennials.

986 **Phlox perennial,** finest hybrid..... .25
987 — **fine mixed**..... .10

PHLOX DRUMMONDII.

These flowers are of extreme beauty, and are greatly admired by all; their long duration in bloom, combined with their almost unequaled richness of color, render them of invaluable service in the general flower garden, and a finer sight than a bed of Phlox Drummondii is rarely to be seen. Half-hardy annuals.

988 **Phlox Drummondii,** saved from the finest varieties, mixed..... .05
989 — — **alba,** pure white..... .10
990 — — — **oculata,** pure white, purple eye .10
991 — — **marmorata violacea,** marbled... .10
992 — — **Leopoldii,** purple, white eye..... .10
993 — — **Queen Victoria,** violet, white eye .10
994 — — **coccinea,** pure deep scarlet..... .10
995 — — **rosea,** rose color..... .10
996 — — **Radowitsky,** deep rose striped with white..... .10
997 — — — **atropurpurea** (*Princess Royal*), purple, white stripes..... .10
998 — — — **William I.,** crimson, scarlet striped, white..... .10
999 — — **Empress Eugenie,** rose, marbled, .10
1001 — — **variabilis,** slate blue, marbled.... .10
1003 — — **purpurea,** deep purple..... .10
1004 — — **Black Warrior,** dark crimson... .10
1005 — — **Isabellina,** pale yellow..... .10
1006 — — **Heynholdii,** new, very compact, of dwarf habit, valuable acquisition; many colors, mixed; ½ ft..... .25

No. 1040.—Portulaca Grandiflora, fl. pl.

No. **PHLOX DRUMMONDII.**—*Cont'd.* *Price.*

1416 **Phlox Drummondii, grandiflora.**—Remarkable for the unusual size of the flowers, which are similar in form to those of the perennial sorts, and rendered striking by a large center and a dark violet eye; many colors, mixed.....$0.10

PICOTEE PINK.

Favorite and well-known plants of great beauty, combining with the most perfect form the richest and most beautiful colors. They have a delicate perfume and are easily cultivated. Half-hardy perennial.

1008 **Picotee Pink,** saved from the most choice varieties: 1½ ft..... .50
1009 — **perpetual, or tree,** saved from the most choice varieties; 1½ ft..... .50
1010 — **German mixed,** double..... .25
1011 — **good mixed,** fine border varieties... .10

PINK (Dianthus Plumarius, fl. pl.).

A well-known and highly valued plant, remarkable for its great beauty, easy culture and accommodating habit, growing freely, and flowering profusely, either in pots, in the greenhouse, or in the open border; hardy perennial.

1012 **Pink** (*Florists' or Paisley*), from the finest named varieties. Flowers with white ground, beautifully blotched and edged with different shades of purple.. .25

POLYANTHUS.

Splendid Spring flowering plants, either for pot culture or the open border; hardy perennials.

1021 **Polyanthus mixed** (*Primula elatior*), fine border varieties; ¾ ft..... .10
1022 — **splendid mixed,** from florists' flowers; ¾ ft..... .25

POPPY.

A genus of showy, free flowering plants, producing a rich and effective display in large mixed borders, or select plantations. (See *Papaver.*) Hardy annuals.

1024 **Poppy, Carnation,** double mixed; 2 ft. .05
1025 — **Marseilles,** white and red, double, extra fine; 2 ft..... .05
1026 — **Pæony-flowered,** double; 2 ft..... .05
1027 — **Ranunculus, or French,** double.... .05
1028 — **opium,** white, per oz., 50 cents..... .05
1029 — **perennial,** fine mixed..... .10

PORTULACA.

For brilliant, beautiful and delicate colors, this charming genus stands unrivaled, and whether in baskets, small beds, edgings, or rock-work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeeds best in light, gravelly soils, or mixed with lime rubbish; half-hardy annuals.

1030 **Portulaca alba,** a beautiful pure white variety; ½ ft..... .05

No. **PORTULACA.**—*Cont'd.* *Price.*

1031 **Portulaca aurea,** golden; ½ ft.....$0.05
1032 — — **striata,** lemon color striped orange .05
1033 — **caryophylloides,** carnation striped, white and crimson, beautiful; ½ ft.... .05
1034 — **rosea,** fine rose; ½ ft..... .05
1035 — **striped,** red and white; ½ ft..... .05
1036 — **splendens,** crimson purple, very showy; ½ ft..... .05
1037 — **Thorburnii,** deep orange; ½ ft..... .05
1038 — **Thellusonii,** splendid scarlet; ½ ft.. .05
1461 — **Pheasant Eye,** pure white with rosy purple eye..... .05
1039 — **fine mixed** varieties, all colors; ½ ft. .05
1040 — **grandiflora, fl. pl.** (*Double Flowering*), one of the most desirable annuals. The seeds are selected from the finest double varieties, of the most brilliant colors of scarlet, crimson, white, buff, variegated and yellow, of various shades, which will produce a large proportion of double flowers..... .20

PRIMULA.

A charming, profuse flowering plant, indispensable for Winter and Spring decoration in the conservatory; the seed we offer has been saved from flowers remarkable for their size, color, and perfect form; to which was awarded a first-class medal at the London Exhibitions; succeeds best in sandy loam and leaf mould. Greenhouse perennials.

1046 **Primula Sinensis fimbriata alba,** fringed white, Covent Garden strains.. .50
1047 — — — **rosea,** fringed rose, superb Covent Garden strains..... .50
1052 — — — **choice mixed** varieties..... .50
1053 — — — **filicifolia alba,** fern-leaved, white, beautiful foliage..... .50
1054 — — — — **rosea,** fern-leaved, crimson lake, beautiful foliage..... .50
1054½ — — — — **finest mixed** fringed fern-leaved varieties..... .50

The following double varieties give a good percentage of double and semi-double flowers, and are really superb:

1056 **Primula Sinensis fimbriata alba plena,** double white..... 1.00
1057 — — — **rosea plena,** double red..... 1.00
1057½ — — — — **finest mixed** double..... 1.00
1415 — **Japonica,** a Japanese variety recently introduced, grows about 1½ feet in height, producing from its tuft of robust leaves a stem bearing four or five separate tiers or whorls of charming flowers, of a splendid magenta color.... .50
186 — **Auricula Alpine,** this is the most hardy of the true auricula tribe, and produces a great variety of colors..... .15
187 — — **English hybrids,** from a collection of the finest named prize varieties..... .25

No. 1113.—Salvia Argentea.

No. 1119.—Sanvitalia Procumbens.

No. **PRINCE'S FEATHER.** *Price.*

Ornamental plants with elegant plumes of rich colored flowers; rich soil.

1069 **Prince's Feather,** crimson; 2 ft. $0.05

PYRETHRUM.†

Handsome, free flowering, highly ornamental plants, producing a fine effect in the mixed flower and shrubbery borders; hardy perennials.

1070 **Pyrethrum atrosanguineum,** dark red, showy; 2 ft. ..... .10
1071 — **carneum,** flesh color (*Insect powder plant*); 2 ft. ..... .10
1072 — **roseum,** light red; 2 ft. ..... .10
1073 — **hybridum,** finest hybrid varieties. ..... .25
1074 — — **fl. pl.,** new, double; very beautiful, in flower a long time. ..... .25
1075 — **parthenifolium aureum** (*Golden Feather*), its fine golden foliage makes it a very desirable plant both for bedding and for ribbon gardening ..... .15
1076 — **parthenium, fl. pl.** (*Double Feverfew*), white ..... .10

RICINUS.

A magnificent and highly ornamental genus; the picturesque foliage and stately growth, combined with brilliant colored fruit of the giant varieties, impart to select plantations, shrubbery and mixed flower borders quite an Oriental aspect. When grown as single specimens on our lawns and pleasure grounds, as an ornamental foliage plant, they form a striking feature. Half-hardy annuals.

1082 **Ricinus Africanus albidus,** new, white fruited, stem and leaves silvery 8 ft. ... .10
1083 — **Borboniensis arboreus,** very large and showy foliage; 15 ft. ..... .10
1084 — **Braziliensis,** dark green fruit; 10 ft. .10
1085 — **communis** (*Castor Oil Plant*); 6 ft. ... .05
1086 — **giganteus,** large and showy; 10 ft. .... .10
1087 — **macrocarpus,** light green; 8 ft. .... .10
1088 — — **nanus,** dwarf, for grouping; 3 ft. ... .10
1089 — **sanguineus** (*Obermanii*), splendid red fruit in clusters, very ornamental, producing a grand effect; 10 ft. ..... .10
1090 — **species from Philippines,** gigantic foliage; 10 ft. ..... .10
1092 — **fine mixed** varieties ..... .10

ROCKET† (Hesperis).

Very pleasing early Spring flowering, profuse blooming plants, with deliciously fragrant flowers; grow freely in any soil; hardy perennials.

1093 **Rocket,** sweet, purple; 1½ ft. ..... .05
1094 — — white; 1½ ft. ..... .05
1095 — — mixed; 1½ ft. ..... .05

No. **ROSE.** *Price.*

Too well known to require any description; the culture of the rose from seed is very simple, generally rewarding the amateur with flowers the second year.

1096 **Rose,** seed saved from a large collection of Hybrid Perpetual, Tea, and Bourbons $0.25

ROSE CAMPION.

Exceedingly handsome, showy, free flowering plants, strikingly effective in mixed or shrubbery borders; hardy perennials.

1097 **Rose campion,** rose; 1½ ft. ..... .05
1098 — — white with rose center; 1½ ft. ..... .05

SALPIGLOSSIS.

Ornamental and useful plants for autumn decoration; their curiously penciled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings and ribbons; half-hardy annuals.

1105 **Salpiglossis, choice mixed;** tall flowering; 1½ ft. ..... .10
1106 — — — dwarf varieties; 1 ft. ..... .10

SALVIA.

Magnificent bedding plants, loaded with spikes of scarlet flowers, from July till October. Half-hardy annuals.

1107 **Salvia coccinea,** scarlet; 2 ft. ..... .10
1108 — — **nana compacta,** scarlet; ¾ ft. .... .10
1109 — — **punicea,** new dwarf, scarlet. ..... .10
1111 — **Rœmeriana,** crimson, dwarf; 1 ft. .... .10
1113 — **argentea,** silvery foliage; 3 ft. ..... .10
1116 — **patens,** splendid, deep blue; 3 ft. ..... .15
1117 — **splendens,** bright scarlet; 2 ft. ..... .15

SANVITALIA.

Pretty, dwarf-growing, free-flowering plants, continuing in bloom during the season; hardy annuals.

1119 **Sanvitalia procumbens,** rich brown and yellow; ½ ft. ..... .10
1120 — — **fl. pl.,** a double variety of above, a profuse bloomer. ..... .10

SAPONARIA.

Charming little plants, flowering all the season; splendid for beds or ribbon borders.

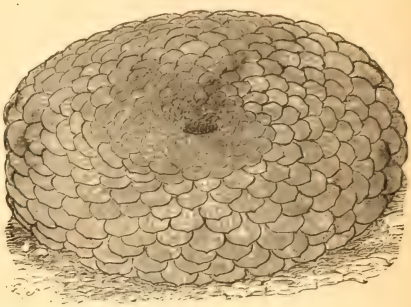
1121 **Saponaria Calabrica,** rich deep pink; ½ ft. ..... .05
1122 — — **alba,** very pretty; ½ ft. ..... .05

SCABIOSA or MOURNING BRIDE (Sweet Scabious).

Handsome, showy plants for mixed borders, flowers beautifully variegated.

1124 **Scabiosa atropurpurea major,†** finest mixed; half-hardy biennial; 2 ft. ..... .05

No. 1139.—Sensitive Plant.



No. 1488.—Sempervivum tabulæformis.

No. **SCABIOSA.**—*Cont'd.* *Price.*

1125 **Scabiosa nana,** dwarf, German mixed..$0.05
1126 — — **fl. pl. var.,** habit very dwarf, flowers quite double, colors very brilliant.. .05

SCHIZANTHUS.

A beautiful tribe of plants for greenhouse or out-door decoration; half-hardy annuals.

1127 **Schizanthus Grahamii,** lilac and orange; 1½ ft..... .05
1128 — **retusus,** blunt-flowered, rose and orange, crimson tip; 1½ ft..... .05
1129 — — **albus,** white, crimson tip; 1½ ft... .05
1134 — **pinnatus,** purple and yellow, spotted, .05
1136 — **fine mixed varieties**..... .05

SEDUM (Stonecrop).

Pretty little plants, growing freely on rock or rustic work, also on ornamental mounds, etc., where they flower in great profusion; hardy perennials.

1137 **Sedum cæruleum,** blue; ¼ ft..... .10
1138 — **fine mixed**..... .20

SEMPERVIVUM.

A curious tribe of succulent plants, for pot culture or carpet gardening.

1488 **Sempervivum tabulæformis.**—A most unique and beautiful succulent, which has been largely used, and with great effect, in the English parks..... .25
1489 — **umbilicus,** a small unique form, from Kurdistan; the second year it throws up a large umbel of blood-red flowers, and the plant changes from green to red. .25

SENSITIVE PLANT (Mimosa).

Very curious and interesting plants, their leaves closing if touched or shaken· half-hardy annual.

1139 **Sensitive plant,** pinkish white; 2 ft..... .05

SILENE or CATCHFLY.

Ornamental, free flowering plants, with bright and beautifully colored flowers; hardy annuals.

1140 **Silene pendula,** rosy purple..... .05
1141 — — **alba,** white; 1 ft..... .05
1142 — — **ruberrima,** rosy lilac, dark foliage .05
1143 — **pseudo actocion,** rosy pink, white center..... .05
1146 — **Schafta,** lilac· hardy perennial; ½ ft. .05
1146½ — **fine mixed varieties**..... .05

SMILAX (Myrsiphyllum asparagoides).

A beautiful Winter climbing plant, adapted to the conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of the flower. It is extensively used for bouquets and floral decorations of every description.

1418 **Smilax** (Roots, 25c.)..... .20

No. **SOLANUM.** *Price.*

A beautiful class of ornamental fruit-bearing plants (not edible); half-hardy annuals.

1147 **Solanum atropurpureum,** purple; 1½ ft.$0.10
1149 — **capsicastrum,** miniature tree, covered all Winter with a profusion of scarlet fruit; handsome plant for greenhouse or sitting-room; 1½ ft..... .10
1155 — **ciliatum,** spiny, ornamental leaves and scarlet berries. The fruit resembles a plum in shape and size, in color brilliant scarlet..... .10
1156 — **Warscewiczioides,** fine foliage plant, with a robust, stately growth, ornamental fruit..... .10
1157 — **Texanum,** waxy scarlet, Tomato-shaped fruit of great beauty..... .10

STATICE.

Should be extensively cultivated on account of their exceedingly interesting and showy blossoms, which remain long in beauty.

1165 **Statice spicata,** flowers rosy pink, fine for the border or pot culture, valuable for Winter bouquets..... .10
1166 — **hybrida,** fine mixed..... .10

STEVIA.

A useful plant either for pot culture or the border.

1167 **Stevia Lindleyana,** white; half-hardy perennial..... .10
1168 — **purpurea,** purple..... .05

STOCKS (Mathiola Annua).

The Stock Gillyflower is one of the most popular, beautiful and important of our garden favorites; and whether for bedding, massing, edging, ribboning or pot culture it is unsurpassed either for brilliancy and diversity of color or profusion and duration of bloom.

1169 **Stocks, ten-week,** mixed colors..... .05
1170 — **German dwarf, ten week,** brightest colors mixed; 1¼ ft ..... .10
1172 — — — **large flowering,** many varieties, mixed, extra fine..... .20
1173 — — — pure white; 1¼ ft..... .15
1174 — — — bright crimson..... .15
1175 — — — rosy carmine..... .15
1181 — — — blood red, fine..... .20
1183 — — — canary yellow..... .15
1186 — — — **pyramidal,** splendid colors mixed..... .15
1188 — — — **tree, or giant,** many colors mixed..... .15
1189 — — — **wall-flower-leaved,** finest colors mixed..... .20

No. 1170.—German Ten Week Stock.

No. 1172.—German Ten Week Stock, Large Flowering.

No. **STOCKS.**—*Cont'd.* *Price.*

1190 **Stocks, German dwarf, wall-flower-leaved,** pure white, extra fine, very desirable for bouquets.....$0.20
1191 — — **branching,** taller than the preceding varieties, with a more loosely branched appearance, fine for bouquets; 1½ ft..... .15
1192 — **intermediate, or Autumn-flowering,** varieties mixed..... .10
1193 — — **London, true Covent Garden variety,** scarlet, extra fine..... .20
1194 — — — — — pure white..... .20
1195 — — **East Lothian,** scarlet..... .25
1196 — — — — purple..... .25
1197 — — — — white, extra fine..... .25
1198 — **Brompton,** mixed; 2 ft..... .10
1199 — — white; 2 ft..... .20
1203 — **French Winter, or Cocardeau,** a beautiful variety for pot culture, fine mixed varieties..... .15
1207 — **German Imperial, or perpetual,** new, large flowering mixed; 1½ ft..... .15
1208 — — — white; 1½ ft..... .10
1211 — — — blood red, extra fine; 1½ ft..... .15

SULTAN (Centaurea Moschata).

Sweet-scented, profuse-flowering plants, very effective in mixed or shrubbery borders; produce a very showy and striking effect; grow freely in rich soil; hardy annuals.

1212 **Sultan sweet,** purple; 1½ ft..... .05
1213 — — white; 1½ ft..... .05
1214 — — beautiful yellow; 1½ ft..... .05

SUNFLOWER. (See Helianthus.)

1215 **Sunflower,** mixed varieties; per quart, 50 cents..... .05

SWEET WILLIAM (Dianthus Barbatus).

A well known, free flowering, popular favorite; the great improvements upon the old varieties that have been made within the last few years have rendered it still more desirable for garden decoration; hardy perennials.

1218 **Sweet William, Auricula-flowered Perfection.** This variety produces immense heads of the richest and most beautiful flowers, many of which have a large white disc, with a broad middle zone of rich crimson, purple and violet; trusses large, fine form..... .25
1219 — — **double-flowering,** many colors mixed..... .10
1222 — — **fine mixed**..... .05

No. **TAGETES.** *Price*

Elegant, profuse blooming plants, with prettily cut foliage. (See *Marigold.*) Half-hardy annuals.

1224 **Tagetes pumila,** of dwarf habit, which assumes a globular form and is covered with thousands of bright yellow blossoms with a reddish brown stripe; 1 ft..$0.10
1225 — **tenuifolia,** a pretty miniature variety, orange flowers, delicate foliage.. .10

THUNBERGIA.

A genus of slender and rapid growing climbers, with extremely pretty and much admired flowers, which are freely produced; half-hardy annuals.

1226 **Thunbergia alata,** ** buff, dark eye. .05
1227 — — **alba,** ** white, dark eye; 4 ft..... .05
1228 — — **aurantiaca,** ** bright orange, dark eye; 4 ft..... .05
1230 — — **finest mixed****..... .10

TRICOSANTHES.

Beautiful plants, with long, elegant, serpent-like fruit; half-hardy annuals.

1234 **Tricosanthes colubrina,** serpent cucumber; from 5 to 6 feet in length; when ripe, is of a brilliant carmine..... .10

TROPÆOLUM. **

Elegant growing, profuse flowering, and easily cultivated climbers, combining with these important qualities great richness and brilliancy of color, with finely formed and beautifully marked flowers, for covering trellises, verandas and bowers; for bedding purposes they are unsurpassed.

1236 **Tropæolum peregrinum** (*Canary Bird Flower*), yellow, highly ornamental and deservedly a general favorite; 10 ft..... .15
1237 — **Lobbianum Caroline Schmidt,** deep scarlet, a most beautiful variety.. .15
1238 — — **Crown Prince of Prussia,** deep crimson..... .25
1239 — — **Duc de Luynes,** dark crimson..... .15
1241 — — **Geant des Batailles,** brilliant carmine, fine..... .15
1242 — — **Lilli Schmidt,** bright scarlet..... .15
1244 — — **Mons. Colmet,** lemon spotted crimson..... .15
1246 — — **Napoleon III.,** yellow striped rosy scarlet..... .15
1247 — — **Queen Victoria,** vermilion and scarlet..... .15
1248 — — **Triomphe de Gand,** orange scarlet..... .15
1249 — — **Roi des Noirs,** almost black..... .15
1250 — — **finest mixed** varieties..... .15

No. 1230.—Thunbergia.

No. 1250.—Tropæolum Lobbianum.

No. **VALERIAN.** *Price.*

Showy plants for mixed borders, shrubberies, etc.

1254 **Valerian,** dark red 1½ ft. $0.05
1255 — white; 1½ ft. ..... .05

VENUS' LOOKING-GLASS.

A free flowering pretty little plant adapted for beds or rock-work, ribbons or edgings; hardy annuals.

1256 **Venus' Looking-Glass,** rich blue ..... .05
1257 — — — white; ½ ft. ..... .05

VERONICA.

Showy plants for pot culture or the open border; half-hardy annuals.

1259 **Veronica Syriaca,** bright blue and white; ½ ft. ..... .10
1260 — — **alba,** white; ½ ft. ..... .15

VERBENA.

To speak of the beauty and effectiveness of the Verbena would be to "paint the lily or add new perfume to the violet." Verbenas in quantity, are more easily obtained from seed than from cuttings; sown in Spring they flower quite early in the season.

1261 **Verbena hybrida,** choice mixed, from a celebrated German collection ..... .20
1262 — — extra fine, saved from the newest and best named varieties ..... .25
1263 — — **new Italian striped,** brilliant colors, striped on various colored grounds ..... .25
1264 — — **auriculaflora,** choice mixed varieties, white center ..... .25
1265 — — **coccinea,** saved from the most brilliant scarlet flowers ..... .25
1266 — — **cærulea,** beautiful blue, constant, .25
1420 — — **Defiance.**—This seed may be relied upon to reproduce this exceedingly showy, deep scarlet Verbena ..... .25
1267 — **montana.**—This is a gem, truly; it has the habit of the common Verbena, but is perfectly hardy and blooms more profusely. The plant literally covers itself during Summer with its bright rose colored flowers ..... .20
1268 — **aubletia,** reddish purple ..... .05
1269 — **Drummondii,** lilac ..... .05
1270 — **pulcherrima,** most beautiful ..... .10
1271 — **teucroides odorata,** fine white, fragrant ..... .10
1272 — **venosa,** violet purple, good bedding plant, trailer ..... .05
1273 — **fine mixed** ..... .10

No. **VINCA.** *Price.*

Highly ornamental, free flowering, compact, greenhouse, evergreen shrubs, with shining green foliage and handsome circular flowers.

1274 **Vinca rosea,** rose; 2 ft. $0.10
1275 — — **alba,** white with crimson eye; 2 ft. .10

VIOLA (Violet).

Well-known plants, suitable for edgings, groups or mixed borders, and much in demand on account of their profusion of bloom, which lasts from early Spring throughout the Summer months.

1276 **Viola Cornuta,** delicate blue; ½ ft. ... .10
1277 — — **alba,** snow white flowers ..... .25
1278 — — **blue perfection,** flowers very large and fine ..... .25
1279 — — **mauve queen,** deep mauve blue .. .10
1280 — — **lutea,** golden yellow ..... .10
1281 — — **grandiflora,** beautiful bright yellow, large flower ..... .25
1282 — — **splendens,** deep yellow, extra .. .25
1283 — **odorata semperflorens,** sweet-scented violet; ½ ft. ..... .25
1284 — — — **The Czar,** light violet, large and fragrant ..... .25

VIRGINIAN STOCK.

Extremely pretty, profuse flowering little plants, effective in small beds, baskets, or as edgings; hardy annuals.

1285 **Virginian Stock,** red; ½ ft. ..... .05
1286 — — white; ½ ft. ..... .05

VISCARIA.

Pretty, profuse flowering plants, for beds, ribbons or mixed borders; hardy annuals.

1287 **Viscaria Burridgii,** white; 1½ ft. ..... .05
1288 — **oculata,** pink, rich crimson eye; 1½ ft. .05
1289 — — **Dunnettii,** white; dark eye; 1 ft.. .10
1292 — **mixed** varieties ..... .10

WALL-FLOWER.

The flowers of the Wall-flower are deliciously fragrant, and greatly prized; the large massive conspicuous spikes of the double German varieties have a charming effect, while the more bushy, compact growth and profuse blooming of the single Wall-flowers render them exceedingly attractive. Half-hardy perennials.

1293 **Wall-flower,** fine mixed, single; 2½ ft. .05
1294 — **branching,** double and fine; 2½ ft... .10
1295 — **finest double,** German mixed; 2 ft.. .25
1296 — **dwarf extra;** 1 ft. ..... .25
1297 — **new canary,** yellow, very fine; 2 ft. .25

Double Flowering Fringed Petunia.
No. 1472. *Page* 37.

Sweet William, "Perfection."
No. 1218.

Verbena hybrida.
No. 1262. *Page* 42.

No. 1304.—Wigandia. *Page* 45.

No. 1491.—Wistaria sinensis. *P.* 45.
One-half the natural size.

No. 1470.—Ipomœa leptophylla. *Page* 27.
One-fourth the natural size.

No. 1418.—Smilax. *Page* 40

No. 1138.—Sedum.

No. 1288.—Viscaria Oculata.

No. **WALL-FLOWER.**—*Cont'd.* *Price.*

1441 **Wall-flower, Harbinger.**—This new and extremely early flowering variety will be found a great acquisition. Seeds sown in March have produced flowers as early as October. It continues in bloom a long time. The flowers are a good, rich, lively red.....$0.25

WHITLAVIA.

One of the most charming California annuals, very effective for bedding, ribboning, or mixed borders.

1301 **Whitlavia grandiflora,** fine violet blue; hardy annual; 1 ft..... .05
1302 — — **alba,** pure white..... .05
1303 — **gloxinoides,** tube of corolla pure white, lines of a delicate light blue..... .05

WIGANDIA.

Grand and magnificent plant, with stupendous leaves richly veined, and stems covered with crimson hair. Of rapid growth and splendid habit, it forms one of the finest objects amongst ornamental foliaged plants, to impart a tropical aspect to a garden, or for conservatory decoration.

1304 **Wigandia Caracasana,** lilac; 7 ft.... .25
1305 — **Vigieri,** new and superb, glaucous foliage; 8 ft..... .25
1306 — **Imperialis,** superb new variety, the leaves being larger and firmer..... .25

WINTER CHERRY (Physalis).

1307 **Winter Cherry,** red fruited, very showy when in fruit; half-hardy shrub..... .10

WISTARIA.

Hardy climbing plants of great beauty; in good soil will grow 10 to 20 feet in a season.

1491 **Wistaria sinensis.**—(*Chinese Wistaria.*) One of the most elegant and rapid growing of all climbing plants, attains an immense size, growing at the rate of 15 to 20 feet in a season, and blooms profusely early in the season and frequently in the Fall, bearing long pendulous clusters of pale blue flowers. Plants, 50c..... .20
1492 — **frutescens,** a native variety with pale blue flowers; fine..... .20

XERANTHEMUM.

Beautiful border plants, exceedingly floriferous, valuable for Summer and Winter bouquets. See *Everlasting Flowers.*

1308 **Xeranthemum, annuum fl. alba pl.,** double, white..... .05
1314 — — fine mixed varieties..... .10

No. **ZEA (Maize).** *Price.*

Ornamental foliage plants of great beauty.

1315 **Zea Japonica fol. variegata** (*Variegated Japanese Maize*), large tufty foliage, broadly ribboned in all its length with alternate stripes of white and green; half-hardy annuals; 6 ft.....$0.10
1316 — **gracillima,** new miniature maize, very graceful habit..... .10

ZINNIA ELEGANS.

Annuals of great beauty and brilliancy, of branching habit and superb colors, continue in bloom a long time, very effective in beds, groups or mixed borders. The new double varieties are a most valuable acquisition, and are greatly improved from year to year by a careful selection of the most double and brilliant colored varieties. Half-hardy annuals.

1317 **Zinnia elegans alba,** pure white; 1½ ft. .05
1318 — — **aurea,** deep gold; 1½ ft..... .05
1319 — — **coccinea,** brilliant scarlet; 1½ ft.. .05
1320 — — **kermesina,** crimson; 1½ ft..... .05
1321 — — **purpurea,** purple; 1½ ft..... .05
1322 — — **sulphurea,** yellow; 1½ ft..... .05
1323 — — **mixed;** 1½ ft..... .05
1324 — — **fl. pl.,** finest double varieties mixed, from select flowers..... .10
1325 — — — — **striata,** magnificent double flowers, richest colors shaded and striped..... .10
1326 — — — — **alba,** pure white..... .10
1327 — — — — **atropurpurea,** dark purple. .10
1328 — — — — **aurea,** golden yellow..... .10
1329 — — — — **coccinea,** scarlet..... .10
1330 — — — — **kermesina,** crimson..... .10
1331 — — — — **lilacina,** lilac..... .10
1332 — — — — **purpurea,** purple..... .10
1333 — — **Haageana,** yellow flushed with orange..... .10
1334 — — — **fl. pl.,** a new double variety of the preceding, highly valued for its prolific bloom, nice habit, and bright, soft, orange colored flowers..... .10
1335 — — **pumila fl. pl.,** dwarf, of compact growth, flowers very brilliant and double..... .10
1336 — — **tagetiflora fl. pl.,** new double, petals quilled like *Globe Aster*..... .10
1462 — **Darwini,** a hybrid between Zinnia Haageana and Z. elegans and their varieties. There are four sections of this race, which contains every variety of shade and color, which we offer in mixed packets..... .25

No. 630.—Helichrysum.

No. 1078.—Rhodanthe maculata.

EVERLASTING FLOWERS.

Very beautiful for Winter decoration. Pick the flowers before they are fully expanded, and hang in a dark, dry closet until perfectly dry.

No. **ACROCLINIUM.** *Price.*

A beautiful class of everlasting flowers, a valuable acquisition for the flower border and Winter bouquets; half-hardy annuals.

91 **Acroclinium roseum,** light rose.....$0.05
92 — — **album,** pure white..... .05

AMMOBIUM.

Useful for dried Winter bouquets, and a showy border plant; hardy annuals.

122 **Ammobium alatum,** white; 2 ft..... .05

GLOBE AMARANTHUS (Gomphrena).

Handsome everlastings, with showy flowers, which may be preserved for Winter; half-hardy annuals.

566 **Globe Amaranthus,** flesh color; 2 ft... .05
567 — — orange; 2 ft..... .05
568 — — red; 2 ft..... .05
569 — — variegated, striped rose and white. .05
570 — — white; 2 ft..... .05
571 — — **Isabellina,** pale yellow..... .10
572 — — **fine mixed**..... .05

HELICHRYSUM.

Exceedingly handsome and ornamental plants for mixed borders, and peculiarly desirable as dried specimens; handsome bouquets and festoons may be formed of them for in-door decoration during Winter; hardy annuals. Those marked thus, ‖, have silvery foliage, with ball-like tufts, similar to the yellow Immortelle.

620 **Helichrysum apiculatum,**‖ yellow... .10
635 — **strictum,**‖ orange; 3 ft..... .10
636 — **elegans,**‖ from Swan River; 2 ft..... .10
621 — **brachyrhynchium,** lemon yellow.... .10
623 — **bracteatum,** yellow; 2 ft..... .10
624 — — white; 2 ft..... .10
1456 — — **dwarf rose**..... .10
1457 — — blood red..... .10
625 — **monstrosum album,** double white.. .10
627 — — **luteum fl. pl.,** double yellow..... .10
628 — — **roseum fl. pl.,** double rose..... .10

No. **HELICHRYSUM.**—*Cont'd.* *Price.*

629 **Helichrysum monstrosum purpureum fl. pl.,** double dark red.....$0.10
630 — — **fine mixed varieties**..... .10
631 — **nanum,** colors mixed, dwarf..... .10
632 — — **atrosanguineum,** a dwarf variety with deep crimson flowers..... .10
634 — **minimum,** very dwarf, various colors .10

HELIPTERUM.

For Summer blooming, or for Winter bouquets, a valuable border plant. Tender annuals.

644 **Helipterum anthemoides,** white, graceful habit; 1 ft..... .15
645 — **Sanfordii,** of dwarf, tufted habit, round clusters of yellow flowers; ¾ ft.. .15

RHODANTHE.

Valuable for the decoration of the conservatory and flower garden; fine for bedding or ribboning. Half-hardy annuals.

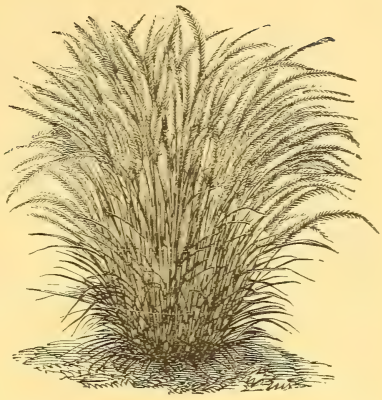
1077 **Rhodanthe Manglesii,** a small, branching plant, with numerous starry, daisy-like blossoms of rich rose color, suffused with white; 1 ft..... .10
1437 — — **flore pleno,** double bright rose.... .25
1078 — **maculata,** bright rose or violet purple, with a bright yellow center..... .15
1079 — **atrosanguinea,** dark crimson flowers, with dark violet disc..... .15
1080 — — **alba,** silvery white..... .15
1438 — **minor compacta.**—Plants globular, blossoms freely, fine for pot culture.... .25

XERANTHEMUM.

Beautiful border plants, valuable for Summer and Winter bouquets. Hardy annuals.

1308 **Xeranthemum, annuum fl. alba pl.,** double white..... .10
1309 — — **cærulea fl. pl.,** double purple..... .10
1313 — — **Tom Thumb white,** dwarf variety, flowering abundantly..... .10
1314 — — **fine mixed varieties**..... .10

No. 1349.—Briza maxima.



No. 1385.—Stipa pinnata.

ORNAMENTAL GRASSES,

For Winter Bouquets, Dinner Table Decorations, Edgings, Ribbons, Centers of Beds, Mixed Borders and Shrubberies.

Most of the varieties may be dried for Winter bouquets, or used for filling vases, either in a dried or green state.

That the plants may develop their true character, transplant or thin out sufficiently to afford space for the growth of each, and this should be done as soon as the plants can be handled.

No.		*Price.*
1337	**Ægilops cylindrica,** knotted, very curious and pretty; hardy annuals; 2 ft.	$0.10
1338	**Agrostis,** delicate and graceful; suited for mixing with flowers green or dried; mixed varieties; hardy annuals; 1½ ft.	.05
1340	— **nebulosa,** one of the most graceful grasses in cultivation	.10
1341	— **pulchella,** exceedingly graceful	.10
1343	**Andropogon bombycinus,** a lovely variety, with small flower heads enveloped in silky hairs, of a fine metallic whiteness; hardy perennial; 1 ft.	.10
1344	— **argenteus,** silvery plumes and silvery green foliage; hardy perennial	.10
1347	**Avena sterilis** (*Animated Oats*), very graceful, with large drooping spikes on slender stems; hardy annual; 2 ft.	.05
1348	**Arundo donax versicolor,** striped foliage; hardy perennial; 7 ft.	.10
1349	**Briza maxima** (*Quaking Grass*), large, a most beautiful variety; one of the best; hardy annual; 1¼ ft.	.05
1350	— **gracilis** (*Quaking Grass*), small, very delicate and graceful; hardy annual	.05
1351	— **geniculata,** fine, of dwarf habit	.05
1352	— **compacta,** a charming variety	.05
1353	**Bryzopyrum siculum,** shining green leaves; half-hardy annual; ¾ ft.	.05
1354	**Bromus brizæformis,** a beautiful variety with drooping panicles resembling Briza Maxima; hardy perennial; 1 ft.	.05
1357	**Chloris radiata,** blooms freely, very desirable; hardy annual	.10
1360	**Chloropsis Blanchardiana,** rose colored spikes; half-hardy perennial; 1½ ft.	.10
1361	**Chrysurus aureus** (*golden spiked*); hardy annual; ½ ft.	.05
1362	**Coix lachrymæ** (*Job's Tears*); 2 ft.	.05
1368	**Erianthus ravennæ,** equal to the Pampas Grass, which it resembles in appearance and habit of growth; its noble plumes of silvery inflorescence are pure white and most beautiful; 7 ft.	.10
1370	**Eragrostis elegans** (*Love-grass*); a favorite variety, graceful habit; 2 ft.	$0.05
1467	**Eulalia Japonica.**—Magnificent new Japanese Ornamental Grass, of robust growth, attaining a height of 6 to 7 feet, and a circumference of about 17 to 18 feet. A single plant throws up from 30 to 40 elegantly recurved flower spikes of a light violet color	.25
1371	**Gynerium argenteum** (*Pampas Grass*), the most noble grass in cultivation, flowering in large silvery plumes on stems from 7 to 10 feet in height	.10
1373	**Hordeum jubatum** (*Squirrel Tail Grass*), purplish plumes, very fine; 3 ft.	.05
1374	**Isolepis gracilis,** very graceful	.25
1375	**Lagurus ovatus** (*Hare's Tail Grass*), small white plumes; hardy annual	.05
1376	**Panicum Colonum,** very ornamental, well suited for bouquets	.05
1377	— **sulcatum,** very decorative, palm-formed; half-hardy annual; 2 ft.	.10
1382	**Pennisetum longistylum,** graceful and interesting; hardy annual; ½ ft.	.05
1459	**Poa amabilis (Abyssinian Ornamental Grass.)**—This variety forms stout, erect tufts of 24 inches in height, each stalk is terminated by a large inflorescence. Single specimens introduced on lawns are very elegant	.10
1383	**Setaria macrocheta,** large, drooping plumes, graceful; hardy annual	.10
1384	**Stipa elegantissima,** a new and elegant variety; half-hardy perennial	.25
1385	— **pinnata** (*Feather Grass*), one of the finest of the ornamental grasses; the seed being slow to vegetate should be started in a hot-bed; hardy perennial	.10
1386	**Tricholæna rosea,** beautiful beyond description; hardy perennial; 2 ft.	.10
1387	**Trypsacum dactyloides,** very handsome; hardy perennial; 4 ft.	.05
1388	**Uniola latifolia,** hardy annual; 4 ft.	.10

TO ASSIST PURCHASERS IN MAKING SELECTIONS WE ANNEX A LIST OF

FLORISTS' FLOWERS, GREENHOUSE SEEDS & CLIMBING PLANTS,

Arranged under separate heads. The numbers refer to their position in the body of the Amateurs' Guide to the Flower and Kitchen Garden.

FLORISTS' FLOWERS, OF FIRST QUALITY.

Arrangements have been made with several of the most successful exhibitors of Florists' Flowers in Europe, by which we shall be constantly supplied with seed of the finest prize varieties of the following kinds, which can be confidently recommended as superior to anything of the kind ever offered in this country.

133–144 **Antirrhinum majus,** from the best named flowers.
158–176 **Asters,** exhibition varieties.
186–187 **Auricula,** saved from fine prize varieties.
191–200 **Balsams,** very beautiful; the best in culture.
203 **Bellis perennis** (*Double Daisies*), finest Belgian varieties.
223–226 **Calceolaria,** their varied foliage and richly marked flowers render them indispensable for greenhouse and conservatory decoration.
366–368 **Chrysanthemum,** large-flowered and pompone varieties.
351–354 **Cineraria,** saved from a collection of many named varieties.
319, 1466 **Cockscomb,** from selected plants.
305, 310 **Carnation and Picotee Pinks,** comprising all colors and selections.
536–537 **Fuchsias,** saved from the finest new varieties.
546–554 **Geranium** (*Pelargonium*), saved from finest English, French, spotted and fancy flowers.
564–565 **Gladiolus,** from the most magnificent varieties in cultivation.
573–574 **Gloxinia,** saved from the finest erect and drooping varieties.
650 **Hollyhocks,** all saved from the finest named show flowers.
697 **Lantana,** finest named varieties.
842–846 **Mimulus,** fine, magnificently spotted and blotched flowers.
922–939 **Pansy,** the finest collection of this universal favorite ever offered in this country; they are collected from several of the most celebrated growers in England and on the continent, and can be recommended with the greatest confidence. The fancy varieties (Nos. 924–925) are saved from a most curious collection, producing a great variety of striped, mottled and variegated flowers.
974–984 **Petunias,** new double, marbled, blotched and variegated varieties.
1022 **Polyanthus,** from the finest flowers of a celebrated English amateur.
1040 **Portulaca,** new double, the most desirable acquisition of many years.
1046–1068 **Primula sinensis fimbriata,** one of the most popular, and, when finely fringed, most beautiful of all Winter and Spring flowering, cool greenhouse plants in cultivation.
1169–1211 **Stocks** are amongst the most useful for a continuous supply of flowers for the vase and table. The Improved Large-Flowering Ten Weeks are much in advance of the old German Ten Weeks, and the New Pyramidal, Improved Large-Flowering, Hybrid Giant Cape, Hybrid Perpetual, New Large-Flowered Brompton, etc., etc., cannot be too highly recommended.
1218 **Sweet Williams—Auricula-Flowered Perfection,** this splendid variety has been much admired, and obtained many prizes from various exhibitions.
1236–1253 **Tropæolum,** most profuse bloomers, suitable for greenhouse or out-door culture.
1261–1266 **Verbena hybrida,** from the finest named varieties.
1293–1297 **Wall-flowers,** an old favorite, much improved by careful hybridization.

CLIMBING PLANTS.

84 **Abobra.**
90 **Adlumia.**
179–180 **Aristolochia.**
190 **Balloon Vine.**
259 **Canary Bird Flower.**
381–383 **Clematis.**
389 **Cobea.**
402–409 **Convolvulus.**
419–425 **Cucumis.**
426–429 **Cucurbita.**
442 **Cyclanthera.**
443–445 **Cypress Vine.**
501–503 **Dolichos.**
504 **Eccremocarpus.**
591–604 **Gourds.**
671–676 **Ipomea.**
696 **Kennedya.**
737–739 **Loasa.**
740–741 **Lophospermum.**
823–828 **Maurandia.**
848–849 **Momordica.**
857–869 **Nasturtium.**
920–921 **Passiflora.**
944–955 **Peas, Sweet.**
985 **Phaseolus.**
1226–1230 **Thunbergia.**
1236–1252 **Tropæolum.**
1233–1234 **Trycosanthes.**

GREENHOUSE SEEDS.

The following kinds are especially for culture in the greenhouse, though many varieties succeed well when planted out in the border during the Summer months.

87 **Abutilon.**
88 **Acacia.**
89 **Achimenes.**
93–96 **Ageratum.**
102–104 **Alonsoa.**
188–189 **Azalea Indica.**
205 **Cactus.**
223–226 **Calceolaria.**
243 **Camellia.**
308 **Carnation tree, or perpetual flowering.**
346–348 **Chinese Primrose.**
350 **Chorozema.**
366–368 **Chrysanthemum.**
351–357 **Cineraria.**
384–385 **Clianthus.**
437–441 **Cyclamen.**
505–507 **Echeveria.**
508 **Epacris.**
509 **Erica.**
530 **Ferns.**
536–537 **Fuchsias.**
546–554 **Geranium.**
555 **Gesneria.**
573–574 **Gloxinia.**
696 **Kennedya.**
736 **Lisianthus.**
823–828 **Maurandya.**
842–846 **Mimulus.**
893–894 **Nierembergia.**
985 **Phaseolus.**
1274–1275 **Vinca.**

DRIED NATURAL FLOWERS.

IMMORTELLES, MOSSES, GRASSES, Etc.

In Great Demand for making into Wreaths, Crosses, Winter Bouquets, Christmas Decorations, etc.

Original Bunch.

They are particularly desirable on account of their durability, as they retain their form and brilliant colors for a long time, besides being very cheap.

French Immortelles.—In original bunches, about 8 inches in diameter; if sent by mail, 10 cents per bunch extra.

	Per bunch.
White	$0.60
Golden Yellow	40
Green	.60
Rose	.60
Spotted	.60
Blue	.60
Orange	.60
Violet	.60
Red	.60
Magenta	.75

Mixed colors, per bunch, 75 cents; small bunches, 30 cents.

Single Stem.

DRIED NATURAL AND DYED ORNAMENTAL GRASSES.

	Per oz.	*Lb.*
Agrostis nebulosa.—An elegant and beautiful ornamental Grass, one of the finest and especially designed for fine flower work; grayish green, natural color	$0.20	$2.25
— Various colors mixed	.30	3.00
Briza maxima *(Quaking Grass).*—Natural color	.20	2.00
— Various colors mixed	.30	3.00
Bromus brizæformis.—A beautiful Grass with elegant hanging ears, natural color	.15	1.50
— All colors mixed	.25	2.50

Cape Flowers.—White, per dozen, 20 cents. In choice colors, per dozen, 25 cents.

Ferns.—Hartford or Climbing Ferns, 50 cents per dozen.

Gynerium argenteum *(Pampas Grass).*—From California. Beautiful Silvery Plumes, 12 to 36 inches in length—the most showy of all the varieties for the decoration of rooms during the Winter months; 15 to 40 cents each, according to size and quality. Per dozen, $2.00 to $4.00; per hundred, $15.00 to $20.00. In choice colors, 50 cents to 75 cents each.

Lagurus ovatus *(Hare's Tail Grass).*—One of the most elegant Grasses, natural color	.20	2.25
— Various colors mixed	.25	3.00

Phragmites communis *(Plume Grass).*—Very graceful, natural color Per dozen stems, 50 cents; per hundred, $3.00.

Stipa pennata, or Feather Grass.—Magnificent Grass of splendid quality, first quality, natural color on the stem	.25	2.50

Stipa pennata.—Selected specimens in bunches of about ½ ounce each, natural color, plain pure white. Per bunch, 25 cents; per dozen bunches, $2.75.

Various colors mixed. Per bunch, 35 cents; per dozen bunches, $3.50.

Statice incana hybrida.—Owing to its elegant shape and handsome colors it is indispensable for all fine flower work, bouquets, wreaths, garlands, etc. Natural colors	.15	1.50
— Various colors	.25	3.00
Uniola paniculata *(See Oats).*—Very graceful, and one of the finest for the modistes, or for Winter decoration. Per dozen stems, 25 cents; per hundred, $1.50; per thousand, $10.00.		
— Various colors mixed. Per dozen stems, 40 cents; per hundred, $2.00.		
Wheat and Oats bleached	.15	1.50

Round Bouquets.—Made from colored grasses, immortelles, etc., very showy and durable, 25 cents, 50 cents, 75 cents, $1.00, $2.00, $3.00 each, according to size.

Feather-Grass Bouquets.—Very beautiful, $1.00, $2.00, $3.00 each.

Colored Mosses.—Green, purple, and red, in boxes of one dozen bunches each, 10 cents per bunch; 75 cents per box.

Moss.—For Bouquets, Wreaths, Garlands, etc., green, per bunch, 20 cents; per dozen, $2.00.

Moss.—Black and red, per bunch, 25 cents; per dozen, $2.50.

For a more complete list of Dried Ornamental Grasses, etc., see Autumn Catalogue.

IMPERISHABLE WREATHS AND CROSSES

Of leaves and flowers for tombs and various decorative purposes, unaffected by the weather, heat, or dust. Much admired everywhere. They can be had in three styles, viz.: entirely of metal, of metal leaves and porcelain flowers, entirely of porcelain in various patterns.

Prices from $2.00 to $10.00 each.

GLADIOLUS.

SUMMER FLOWERING BULBS.

For more explicit directions for culture, see our *Amateurs' Guide to the Flower and Kitchen Garden.*

GLADIOLUS.

Rare and Beautiful French and Belgian Hybrids of Gladiolus Gandavensis, sent by mail, post-paid, upon receipt of price affixed.

OUR collection of this magnificent tribe of plants is one of the most extensive in this country, and embraces many new and rare varieties not before offered.

The colors comprise the most brilliant of orange, scarlet and vermilion tints upon yellow and orange grounds, including a graduated scale of intermediate shades—from white with rosy blush and salmon rose tints to salmon red and nankeen; from blush white with purple crimson throat and marginal streaks of pink, to light rosy salmon grounds with flakes of deep carmine. Thus, from white up to rose, and rose to the brightest and deepest crimson, and from crimson to the brightest orange, flame and scarlet, this very splendid selection affords a combination of the richest conceivable colors, which no other *genus* can offer.

To keep up a constant flowering from July to September, it is only necessary to plant at the end of March or early in April, a portion of the bulbs (choosing the smallest), a second portion about the end of April, a third about the 15th of May, and the last at the end of May—preserving the largest bulbs for the last planting.

The culture of these is attended with no difficulty. It is only necessary to plant them in ordinary garden mould; they object to no soil but a stiff clay, and succeed best in good earth, manured well with well-rotted horse dung. If planted in rows, the rows ought to be from eleven to thirteen inches apart, and the bulbs in each row from six to ten inches apart, according to the size of the bulbs. Depth of planting, two to two and a half inches. While growing they must be copiously watered, if the season is dry. In the Autumn, when the stalks are quite dry, the bulbs are to be taken up and placed in a dry place—better on shelves—protected from the frost, where they will keep well till needed for planting again. The stalks cut from the Gladiolus flourish well in water; the buds, slightly developed, expand readily, and continue to flower for some time. Pretty bouquets for rooms can be made by mingling them with light branches like the Tamarisk, the Asparagus, or leaves of the smaller reeds.

NEW VARIETIES FOR 1881.

The following new and beautiful varieties of Gladiolus are now offered for the first time, and in many features far surpass any hitherto introduced. They are the cream of those raised during the past season by **M. Souchet, M. Lemoine,** and other eminent French growers, who have for years made the improvement of the Gladiolus a special study. The success that has attended their recent efforts can best be judged by a glance at the charming colors distinguishing those offered below. They will prove acceptable and interesting if grown for the more effective ornamentation of the private collection, while for exhibition or competition they are indispensable and of surpassing excellence.

Aurore.—Bright salmon rose, striped orange, carmine and lilac, blotched cherry rose, streaked violet. Very bright, lovely shade. $4.00 each.

Brémontier.—Bright rose, profusely tinted with carmine, pure white blotch, and bands streaked with violet. Fine effective spike. $4.00 each.

Caméléon.—Fine compact truss of large slaty lilac flowers flamed with orange, white bands down the middle of each petal; large creamy white blotch streaked with violet. $4.00 each.

Corinne.—Magnificent spike of large rosy carmine flowers, shading off to cherry, streaked pure white and penciled carmine at the edges; blotch creamy white striped with violet. $5.00 each.

Dalila.—Very finely arranged spike of large bright rose flowers, streaked and flamed with carmine; very large pure white blotch. $5.00 each.

Eclair.—Compact spike of middle-sized flowers, bright scarlet, flamed with fiery red; blotch pure white, with broad white bands in the middle of each petal. $4.00 each.

Gulliver.—Tall spike of large bright carmine flowers, with conspicuous white bands in the middle of each petal; pale yellow blotch slightly streaked with violet. $4.00 each.

Hermione.—Compact spike well furnished, medium sized flowers of white ground entirely covered with numerous and delicate lilac and carmine stripes; large pure white blotch slightly streaked with violet. $4.00 each.

Lesseps.—Superb flower of clear white ground, profusely striped and bordered with bright carmine; magnificent spike of large, well-expanded flowers, presenting a very striking contrast of colors. $5.00 each.

Talma.—Fine spike of rosy carmine flowers, flamed with bright carmine, striped with scarlet and pale violet; blotch amaranth red speckled with sulphur yellow. $4.00 each.

Victor Jacquemont.—Splendid compact spike of bright orange flowers, profusely flamed with scarlet; violet ground; blotch bright violet streaked and speckled with pure white. $5.00 each.

NEW HYBRID GLADIOLUS. (Hardy.)

These two varieties are hybrids of **Gladiolus purpureo-auratus,** and one of the garden varieties of Gandavensis, and are now offered for the first time. In form they approach the old Gladiolus Biperatus, the colors being creamy ground, with distinct markings of crimson maroon, with lemon and salmon colored cloudings. They have proved quite hardy, and may be left out-of-doors from year to year.

Lemoinei.—Fine, good sized flowers, closely set on the spike, which is about 1 foot long; upper petals of a creamy white color tinted with salmon red, the lower ones spotted with deep purplish crimson, bordered with bright yellow and salmony red. $3.00 each.

Marie Lemoine.—Long spike of fine, well-expanded flowers; upper division of a pale creamy color flushed with salmon lilac, the lower divisions spotted with purplish violet and bordered deep yellow. $3.00 each.

GLADIOLUS PURPUREO-AURATUS.

This is a new species from Natal, quite distinct from the common species of Gladiolus, and very attractive. On a slender, bending stem, which rises to the height of three or four feet, are borne from eight to twelve nodding flowers, somewhat bell-shaped in form, and yellow in color, with broad purple stripes on the lower divisions within. Its bulbs are small, and at the end of long runners numerous offsets are produced, which are more certain to flower the succeeding season than are the old bulbs. 25 *cents each*; $2.50 *per doz.*

AS OUR STOCKS OF SOME OF THE VARIETIES BECOME EXHAUSTED AS THE SEASON ADVANCES, PURCHASERS WILL PLEASE STATE WHETHER THEY WISH ANY OTHER SUBSTITUTED, IN THE EVENT OF OUR BEING OUT OF THE VARIETY ORDERED.

GLADIOLUS—GENERAL COLLECTION.

Purchasers selecting one dozen varieties from the following list will be entitled to a discount of five per cent. from Catalogue prices; twenty-five varieties, discount of ten per cent.; fifty varieties, fifteen per cent.; the entire collection, twenty per cent.

	Each.
Adanson.—White, lined rose magenta (per doz., $2.00)	$0.25
Addison.—Dark amaranth with white stripes	.30
Adonis.—Light cherry color, the lower petals yellow, blotched with carmine	.10
Africain.—Slaty-brown on scarlet ground, streaked with scarlet and pure white, with conspicuous white blotch; of remarkable effect on account of the novel color and immense size of spike	2.50
Alexander.—Intense crimson scarlet	.30
Amalthée.—Pure white, large violet-red blotch, ground of the corolla velvety violet, the lower petals slightly tinted with lilac	.30
Anais.—Cerise, tinted orange	.40
Angèle.—White, showy and effective	.35
Anna.—Light vermilion, cerise (per doz., $3.00)	.30
Antigone.—Delicate rose, flamed with carmine	.60
Antiope.—Light orange cherry, with carmine blotch on white ground	.25
Antonius.—Scarlet cherry, white center	.15
Archimedes.—Scarlet shaded rose (per doz., $1.00)	.10
Aristote.—Blush white, mottled carmine (per doz., 75c.)	.08
Arsinoe.—Satin rose, flamed with carmine (per doz., $2.00)	.20
Baroness Burdett Coutts.—Delicate lilac tinged with rose, flamed with rosy purple, spike very long, flowers unusually large: a decided acquisition	4.00
Belle Gabrielle.—White, shaded lilac rose	.50
Beatrix.—White ground, flushed with lilac	.75
Bernard de Jussieu.—Violet, tinted cherry	.10
Bernard Palissy.—Cerise scarlet	.25
Brenchleyensis.—Rich vermilion scarlet (per doz., 50c.; per 100, $3.00)	.08
Brilliant.—Crimson lake	.25
Camille.—Extra large flowers of a beautiful magenta lilac color, shaded towards the center, flamed and feathered with dark lilac	1.00
Canari.—Canary, striped purple	.20
Ceres.—Pure white, mottled rose purple (per doz., $2.00)	.20
Charles Dickens.—Delicate rose, marbled carmine	.25
Cherubini.—White, flamed carmine violet	.15
Citrinus.—Sulphur yellow (per doz., $3.00)	.30
Conde.—Light orange red, white blotch, streaked carmine	.20
Cornelie.—Rich cerise lake, shaded white	.40
Couranti fulgens.—Brilliant crimson (per doz., $1.00)	.10
Daphne.—Light cherry, flamed carmine (per doz., $1.00)	.10
De Candolle.—Cherry red, carmine blotch	.40
Diana.—White, mottled lilac	.20
Dr. Lindley.—Rich carmine cerise	.30
Don Juan.—Bright orange red, lower petals spotted yellow (per doz., 75c)	.08
Duc de Malakoff.—Intense orange scarlet	$0.25
Edulia.—Rich violet and white (per doz., $3.00)	.30
Egeria.—Light orange tinted rose, with darker stripes (per doz., $1.50)	.15
Eldorado.—Yellow, variegated purple	.25
Etendard.—White, variegated lilac	.40
Eugene Scribe.—Light rose carmine (per doz., $2.00)	.20
Flavia.—Bright red (per doz., $1.00)	.10
Florian.—Cherry rose, violet blotch and white streaks	.25
Fulton.—Velvety vermilion, purple blotch (per doz., $1.50)	.15
Galathea.—Blush white, with carmine blotch	.25
Goliath.—Light red, striped and blotched carmine (per doz., 75c.)	.08
Henrietta.—White, flamed rosy lilac	.30
Horace Vernet.—Bright purple red, large pure white blotch, feathered red	.50
Ida.—White ground, tinted rose, lower petals light yellow	.15
Imperatrice Eugenie.—White ground, blazed rose	.40
Isabella.—Pure white, with dark carmine blotch (per doz., $3.00)	.30
James Carter.—Light orange red, with large white blotch	.15
James Veitch.—Bright crimson, violet blotch	.40
James Watt.—Light vermilion, white blotch, rose streak	.30
John Bull.—White, slightly tinged with sulphur and lilac spots	.10
La Candeur.—White, with delicate carmine violet stripes	.75
Lacepede.—Rose, tinged with cherry and violet	.40
La Favorite.—Rose lake, mottled rose	.40
La Fiancee.—Pure white, bluish violet blotch	.50
Laura.—Light orange red, flamed carmine, white blotch (per doz., $1.50)	.15
Le Dante.—Dark rose, pure white blotch	.30
Le Poussin.—Light red, white blotch (per doz., $1.50)	.15
Leviathan.—Immense spike of enormously large flowers of a very delicate bright rose color, flamed and striped with carmine, amaranth blotch on creamy white ground	.75
Le Vesuve.—Fine intense fiery red, very rich	.50
Lord Byron.—Intense scarlet, pure white flakes (per doz., $1.00)	.10
Mme. Adele Souchet.—White, flamed with carmine	.20
Mme. Basseville.—Cherry, with purple blotch on white ground (per doz., $2.00)	.20
Mme. Binder.—White, striped carmine	.35
Mme. de Sevigne.—Cerise, white center	.30
Mme. Desportes.—White, mottled rose lilac	1.00
Mme. de Vatry.—Creamy white, purplish carmine blotch (per doz., $2.50)	.25
Mme. Furtado.—Rose, suffused scarlet	.40
Mme. Haquin.—Yellow ground, streaked rose	.20
Mme. Leseble.—White, variegated carmine	.20

GLADIOLUS—GENERAL COLLECTION.—*Cont'd.*

	Each.
Mme. Rabourdin.—Carmine rose, white stripes	$0.35
Mme. Vilmorin.—Silvery rose lilac	.40
Mlle. Fanny Rouget.—Satin rose, shading to white (per doz., 75c.)	.08
Marechal Vaillant.—Brilliant scarlet, white blotch	1.00
Margarita.—White ground, slightly suffused with bright carmine; very vigorous	.30
Maria Dumortier.—White and ruby rose	.30
Marie.—Pure white, deep carmine blotch	.25
Mary Stuart.—White, flushed and striped purple	1.00
Mathilda de Landevoisin.—White, tinged rose (per doz., $2.00)	20
Mazeppa.—Orange rose, yellow blotch	.15
Meteor.—Dark red, large white blotch (per doz., $2.50)	.25
Meyerbeer.—Vermilion scarlet, purplish blotch	.20
Michel Ange.—Rose lake, white center	2.00
Milton.—Cherry rose, flamed with red (per doz., $2.00) extra fine	.20
Mirabilis.—Rich rose (per doz., $2.00)	.20
Moliere.—Cerise scarlet and white	.40
Napoleon III.—Bright scarlet, with white stripe in center of the petals; extra fine	.25
Nestor.—Yellow, striped with red	.35
Norma.—White, blazed lilac	.40
Ophir.—Yellow, purple mottled	.30
Othello.—Scarlet shaded salmon	.15
Pegasus.—Delicate rose, purple blotch, buff ground (per doz., 75c.)	.08
Pericles.—Rose lake, white center	.40
Phebus.—Brilliant red, large white blotch	.75
Pluton.—Deep scarlet white blotch, violet feathered	.40
Pomone.—Dwarf habit, early, fine dense spike; flowers largely blotched and striped amaranth red on a rosy white ground; very pretty and distinct	2.00
Primatice.—Rose, lilac tinged, white ground with carmine blotch	.60
Prince of Wales.—Crimson, white center	.75
Princess Alice.—Rose lilac, white center	$0.75
Princess Mary of Cambridge.—White, with light carmine blotch	.75
Princess of Wales.—White and purple (per doz., 75c.)	.08
Rebecca.—White, mottled rose-lilac	.20
Reine Victoria.—Pure white, edged rose (per doz., $3.00)	.30
Robert Fortune.—Orange lake, white center	.20
Romulus.—Very brilliant dark red, large pure white blotch, large white lines on lower petals; very showy	.35
Rossini.—Amaranth red, blotched white	.75
Sappho.—Orange cherry, white blotch (per doz., $4.00)	.40
Schiller.—Sulphur, with large carmine blotch	.50
Semiramis.—Rose, carmine and white	1.25
Shakespeare.—White, stained rose carmine	.60
Sir Walter Scott.—Bright ruby rose, carmine veins	.35
Sir William Hooker.—Rose, cerise and white	.40
Spectabilis.—Soft rose lilac and purple	.30
Stella.—White, flamed red carmine	.25
Stuart Low.—Carmine rose, mottled white	30
Sultana.—Bright satin rose, flamed with carmine, purple carmine blotch on white ground	.75
Sylphide.—White, mottled rose lake	.40
Talisman.—Violet, pure white veins, feathered carmine	.60
Thalia.—White, flamed with carmine streaks	.20
Thomas Methven.—Violet, tinted ruby rose	.50
Thomas Moore.—Carmine rose, mottled white (per doz., $4.00)	.40
Thunberg.—Light orange-shaded cherry, blotch pure white; very large	.35
Ulysses.—Fine glossy rose	.75
Van Spandonk.—Splendid fiery red	.75
Velleda.—Delicate rose, lilac blotch	.30
Vesta.—White, shaded and mottled lilac (per doz., $2.00)	.20
Vicomtesse de Belleval.—Rose carmine (per doz., $2.00)	.20
Virginalis.—Pure white, flamed and bordered carmine	.75

COLLECTIONS OF GLADIOLUS.

For the convenience of our customers, who wish to make the best display at the least expense, we have made up the following collections, each of which will contain distinct colors in great variety:

COLLECTIONS OF NAMED VARIETIES.

Collection A, 12 very fine varieties	$1.75
" B, 12 extra fine varieties	2.50
" C, 25 very fine varieties	4.00
" D, 25 extra fine varieties	8.00
Collection E, 50 very fine varieties	$10.00
" F, 50 extra fine varieties	20.00
" G, 100 very fine varieties	25.00
" H, 100 extra fine varieties	40.00

COLLECTIONS OF UNNAMED VARIETIES.

The following collections are made up from many of the named varieties whose names have been lost or mislaid, and from French and American hybridized seedlings:

Collection I, 12 fine varieties, white ground	$1.50
" J, 12 " " rosy and red ground	1.25
" K, 12 " " yellow and light ground	1.75
" L, 12 " " fine mixed hybrids	.75

Fine mixed varieties for bedding purposes, 75 *cents per dozen;* $2.50 *for fifty;* $4.00 *per hundred;* $30.00 *per thousand.*

NEW GIANT FRENCH ANEMONES.

Preferred by many to the Dutch varieties, being of stronger habit, and producing a greater abundance and larger flowers of the most brilliant colors. The dazzling hue of the "Fulgens," and immense size and beautiful tints of the double-flowered varieties, cannot be excelled by any spring-blooming plant. They form the very finest pot ornaments, and, blooming profusely for two months, will furnish a large supply of the handsomest flowers for bouquets.

Anemone fulgens *(Scarlet Windflower).*—Flowers large, of the richest vermilion or scarlet	20c.	each,	$2.00 per doz.
Anemone Single French.—Splendid varieties mixed	8	"	75 "
" **Double French.**—Splendid varieties mixed	25	"	2.50 "

Lilium Auratum.

Lilium lancifolium.

LILIES.

Our collection of Lilies is one of the largest in the world, and contains many new and rare varieties now offered for the first time in this country. See our Autumn Catalogue for directions for cultivation.

	Each.	Doz.
Lilium Auratum, the Golden-rayed Queen of the Lilies.—This magnificent variety, first introduced by us from Japan, in 1866, has become one of the standard favorites of the flower garden; they are quite hardy, even as far north as Canada. In pots, or anywhere in the open ground, they are superb; their immense blooms, when fully expanded, thrown up in the greatest profusion, coupled with their delicious and most powerful odor, emphatically distinguish them as plants which every one should grow. 40 cts., 60 cts., 75 cts. and $1.00 each; $4.00, $7.00 and $10.00 per dozen, according to size.		
— **Batemanæ,** a new Japanese Lily, growing from 3 to 4 feet high, and giving richly colored unspotted flowers of a bright apricot tint	$3.00	
— **Brownii,** a magnificent variety, with fine large foliage; flowers very large, fine white inside, purple outside. The stamens are a rich chocolate color, and form a very distinct feature in this species	2.00	
— **Bulbiferum,** 1½ to 3 feet in height, with dark green foliage, rich orange cup-shaped blossoms, very showy	.25	$2.50
— **Candidum,** is the well known white hardy, garden Lily, from 3 to 4 feet in height, with large racemes of snow white fragrant blossoms	.15	1.50
— — **flore pleno,** a double variety of the preceding, very showy	.30	3.00
— — **striatum,** striped leaved, fine	.30	3.00
— **Callosum,** exceedingly rare, beautiful scarlet	2.00	

LILIES.—*Cont'd.*

	Each.	Doz.
Lilium Columbianum, a new variety from the Columbia river; orange crimson, densely spotted—very rare	$1.00	
— **Coridion,** beautiful star-like flowers, yellow, small black dots	.30	
— **Croceum saturatum,** tulip-shaped flowers, good	.25	
— — **incomparable,** bright red, yellow blotch	.25	
— — **Marmoratum,** deep red, marbled orange, more or less	.25	
— — **Robusta,** vigorous grower, orange—changing lighter	.25	
— — **Van Houttii,** deep scarlet, yellow blotch	1.00	
— — **Venustum,** latest of all varieties, clear red, without spots	.30	
— **Dalmaticum,** a variety of the Martagon, rich glossy crimson purple; a magnificent species, fragrant	1.00	
— **Elegans** *(Thunbergianum),* flowers deep maroon, upright	.25	
— — **Citrinum,** dwarf, with beautiful light yellow flowers	.25	
— **Excelsum** *(Testaceum Isabellinum),* the most beautiful of the class. Its stately form, beauty of color, and delightful fragrance have made it, wherever known, a great favorite. The plants grow 5 to 6 feet high, and are crowned with from 6 to 12 nodding lilies, of a delicate light buff color	.50	4.50
— **Humboldtii** *(Bloomerianum),* a remarkably fine variety, attaining the height of about 5 feet, and producing freely fine, large flowers of a golden-yellow color, spotted with purple; a native of California	.75	8.00

LILIES.—*Cont'd.*

	Each.	*Doz.*
Lilium Hansoni. This Lily grows to a large size, often attaining a height of from 4 to 6 feet. The flowers are borne in clusters, and when fully expanded are about 2½ inches in diameter. The petals are remarkably thick, giving the appearance of having been produced in wax. Their color is also very peculiar; the outside of the petals being yellow with a streak of white running through the center, and the inside of a brilliant yellow spotted with purple. It is one of the most interesting and valuable species introduced in some time. This variety was first offered by us in 1877, and is to be found in but few collections in Europe	$2.50	
— **Krameri,** one of the loveliest of Lilies. Since the introduction of the beautiful Lilium Auratum in 1866, nothing has been offered that will compare with this variety. It resembles Auratum in habit of plant and in form of bloom, but with spotless flowers, varying from the most delicate blush to rich rose, and is delightfully fragrant. "Its general character is that of L. longiflorum, of which it may prove a variety, only its flowers, instead of being white, are of various shades of pink color. An acquisition of no little merit, owing to its beautiful shades of color"	.75	$7.50
— **Lancifolium** *(Speciosum)* **album,** white, fine and large	.40	4.00
— — **monstrosum album,** white flowers, in large clusters	.50	4.50
— — **praecox,** color pure white, with a slight rose tint on the ends of the petals; form perfect; petals nearly alike, more reflexed than in the other varieties of the species. The fringe in the center of the flower is very long and fine, giving it an exquisite appearance; it is perfectly hardy	.75	7.50
— — **Kraetzeri,** from France, with greenish central stripes	1.50	
— — **punctatum,** white, spotted with delicate salmon	.75	7.50
— — **roseum,** white, with light crimson	.20	2.00
— — **rubrum,** white, with crimson stripe and spots	.20	2.00
— — **Melpomone,** a variety of the lancifolium; of large size, deep red, dark spots, very showy, and one of the most desirable of its class	1.00	
— — **monstrosum rubrum,** crimson flowers in large clusters	.30	2.50
— **Longiflorum** (Easter Lily), large and beautiful, snow-white trumpet-shaped flowers, fragrant, hardy species, from 12 to 18 inches in height; fine for forcing	.15	1.50
— — **Eximium,** pure white; an exceedingly handsome variety; the best of the "longiflorum" section, and a lily that should be in every collection	.75	8.00
Lilium Longiflorum Takesima, a Japanese variety introduced by Dr. Von Siebold, grows about 2 feet high, fine foliage, large white flowers, similar in form to L. Longiflorum, but larger; a splendid acquisition	.75	8.00
— **Leichtlinii,** a beautiful new Japanese species of neat and elegant habit. The flowers pure citron with crimson spots, magnificent variety	1.50	

LILIES.—*Cont'd.*

	Each.	*Doz.*
Lilium Martagon (Turk's Cap), various colors mixed	$0.25	$2.50
— **Monadelphum Szovitzianum,** rich citron color, spotted with black; flowers most deliciously fragrant; one of the best of lilies	1.00	
— **Pomponium verum,** bright scarlet flowers, very fine leaves, flowers last a long time	.50	
— **Pyrenaicum,** vigorous grower, very early, yellow spotted flowers	1.25	
— **Pardalinum,** brilliant flowers, easily grown, California variety	.40	
— **Parryi,** exquisite new California variety, clear yellow, trumpet-shaped flower	2.00	18.00
— **Parvum,** a rare California variety; flowers canary yellow, slightly spotted	1.00	
— **Polyphyllum,** an exceedingly rare species, flower bell-shaped, cream color with purple dots	5.00	
— **Pulchellum,** brilliant crimson upright flowers of star-like appearance; new and highly desirable	1.00	
— **Tigrinum** (Tiger Lily), orange-salmon spotted black	.15	1.50
— — **flore pleno** (Double Tiger Lily). While many other new varieties have claimed and merited universal admiration, this excels them all. It is a plant of stately habit, growing from 4 to 6 feet high; foliage dark green, very long, bearing an immense number of very double, bright orange-red flowers, spotted with black	.30	3.00
— — **extra size bulbs**	.75	6.00
— — **splendens,** flowers twice the size of the old variety of the Tiger Lily, and deeper color; 3 to 5 feet, very showy	.15	1.50
— **Tenuifolium,** one of the earliest to bloom, a most exquisite Lily, scarlet-crimson, dazzling color; should be in every collection	.60	
— **Umbellatum,** early, upright, showy Lily, orange spotted	.15	1.50
— **Wallacei,** a new Japanese Lily, clear buff spotted black	.50	
— **Washingtonianum,** from California, one of the most beautiful Lilies yet introduced; flowers erect, pure white, with bright scarlet spots. They are produced in great numbers, and are very fragrant; plant one foot deep in well-drained soil	.75	8.00
— **Rubescens,** a variety with rose-purple flowers	.75	

LILIES (Native Varieties).

L. Canadense flavum (true). Flower bell-shaped, petals not reflexed, yellow, spotted	0.15	1.50
— — **rubrum** (true). Larger habit, flower more richly colored with red petals, *orange-yellow*, spotted, three feet	.15	1.50
— — **rubro-flavum.** An intermediate form; very fine	.15	1.50
— **Philadelphicum.** Bright red, with black spots	.15	1.50
— **Superbum.** Beautiful and rich as many of our native lilies are, this far excels them all, bearing, as it does, a pyramid of yellowish-red flowers, from twenty to fifty in number. It is in full bloom in the early part of July. In good soil it will frequently reach the height of eight feet	.15	1.50

Amaryllis Formosissima.

Amaryllis Vittata.

AMARYLLIS.

Bulbs of rare beauty, with large, drooping, bell-shaped, lily-like flowers, varying in color from the richest crimson to pure white, striped with crimson or scarlet. They are of the easiest possible culture and a very little management would secure a succession of bloom throughout the year, thus adding an important feature in collections of plants, whether grown for the decoration of the flower garden, conservatory, or drawing-room.

	Each.	*Doz.*
Amaryllis ntamasco, pink and white, changeable	$0.25	$2.50
— **formosissima** (*Jacobean Lily*), velvety crimson, superb	.25	2.50
— **Bella Donna** (*Bella Donna Lily*), white, flushed with rosy purple	.60	6.00
— **longiflora, alba and rosea,** fine	.50	5.00
— **lutea** (*Sternbergia*), a handsome, showy, Autumn blooming yellow flower	.25	2.50
— **vittata,** hybrids, red ground striped with white, extra fine	1.50	

VALLOTA PURPUREA.

One of the most beautiful and desirable plants grown, having large crimson scarlet lily-like flowers, produced in heads of five or six flowers in each, which remain a long time in perfection. Large bulbs of this, if kept growing, will flower several times in the year. As easily cultivated as the Calla. *Price,* 50 *cents each ;* $4.00 *per dozen.*

IRIS IBERICA.

One of the most remarkable and interesting plants in cultivation. Its dwarf habit, gigantic flowers, great snow-white erect sepals, its equally large strangely colored petals, and its stigmas with shining black-purple humped bases, make up a flower of singular oddity and of remarkable beauty. Such a curious combination of color is rarely seen in the same plant. *Price,* 35 *cents each ;* $3.50 *per dozen.*

AMORPHOPHALLUS RIVIERI.

This new and very curious Aroideæ will be found a most valuable acquisition to our list of *Ornamental Foliaged Plants* for planting out in May. From the tuber shoots a thick stem, from two to four feet in height, which throws out a single extraordinary palmate leaf from two to three feet in diameter. The plant has a flower similar to that of the Arum, and is a near relative of that plant. As plants of striking foliage are now much sought, this will, from its very grotesqueness, become highly popular. *Price,* 50 *cents to* $1.00 *each.*

PEONIES.

These have become indispensable to every garden; some of them begin to bloom with the Tulip, while others finish with the Summer Rose. They are all hardy and admirably adapted to the climate of our most northern States; growing in almost all situations, and even flourishing under the shade of trees.

Our stock consists of over 100 varieties (all herbaceous), of every shade and color, double and single, mostly rose scented. *Price,* 25 *to* 50 *cents each ;* $2.50 *to* $5.00 *per dozen.*

IRIS KAEMPFERI (New Japanese Iris).

This Japanese Iris is an excellent addition to the hardy plants. The flowers are of great size, varying in color from pure white to deep blue, beautifully veined and mottled. Some are dark indigo blue, or rich plum purple, marked with golden yellow. This is an exceedingly beautiful and interesting plant. 12 *choice sorts,* 25 *cents each ;* $2.50 *per dozen.*

AGAPANTHUS (African Lily).

This is one of the handsomest house plants yet introduced. It is naturally a Summer-blooming plant, and admirably suited for parlor or conservatory decorations, being attractive with its glossy green foliage, and large trusses of magnificent bloom.

Agapanthus umbellatus, blue, vigorous foliage and large flowers. *Each* $0.75

— — **fl. albus,** pure white. *Each* 1.00

TIGRIDIAS (Tiger Flower).

Tigridias.

A genus of Mexican bulbs, growing about one and a half feet high, and producing flowers of the most exquisite beauty; flowers large, about four inches across, of singularly curious shape, and the color of each variety gorgeous and purely contrasted. No flower can surpass it in beauty. In bloom from July to the first of October. The bulbs may be planted any time in May, or the first of June, about two inches deep, in any garden soil, and require no particular care. In Autumn after the tops are killed by frost, take up the bulbs and keep them in a dry place away from the frost until the time of planting in the Spring.

	Each.	*Doz.*
Conchiflora, richest orange, variegated with golden yellow, and spotted with black	$0.15	$1.50
Pavonia, richest scarlet, tinged and spotted with pure yellow	.15	1.50

CALADIUMS (Fancy Leaved Varieties).

Having tried the last season to grow the Caladium as a bedding plant we are satisfied they will become a general favorite at no distant day. Planted in the open ground about the first of June, they grow rapidly and spread their leaves, glowing with the rich colors of the tropics, until faded by the Autumn frosts. Margined and delicately traced with a net-work of shaded green on a snow-white ground, bronze tipped with lake, showing a metallic luster in the sun, rose, violet, carmine, golden green, crimson, almost all colors shaded and marked as can be seen on ne other leaves, give them a rare beauty, intermingled with other plants; and in masses, a tropical magnificence. Of the easiest culture, they will grow in almost any soil or situation, but most luxuriantly in a rich loam somewhat shaded, and where they can be watered, if dry, during the heat of Summer. But their great value is for exhibition plants, for fairs in Summer and Fall, when pot-grown.

Price, eighteen distinct sorts, 50 *cents each ;* $4.50 *per dozen ; set of eighteen sorts,* $6.00 ; *eighteen distinct sorts, newer and scarcer varieties,* 75 *cents each ;* $7.50 *per dozen ; set of eighteen sorts,* $9.00.

COLOCASIA (CALADIUM) ESCULENTUM.

One of the most beautiful and striking of the Ornamental Foliaged Plants in cultivation, either for culture in large pots or tubs, or for planting out on the lawn. It will grow in any garden soil, and is of the easiest culture. When of full size it stands about five feet high, with immense leaves, often measuring four feet in length by two and a half in breadth, very smooth, of a light green color, beautifully veined and variegated with dark green. The roots should be preserved in dry sand in the cellar during Winter out of reach of frost. A plant should be in every collection, however small. Price 25 *to* 50 *cents each ;* $2 *to* $4 *per doz. ;* extra size roots, 75 *cents and* $1.50 *each.*

MADEIRA VINE.

A half-hardy tuberous root, climbing plant, of rapid growth, bearing copious and graceful racemes of deliciously fragrant white flowers, very useful for screens, trellis or rock-work. 10 *to* 25 *cents each ;* $1.75 *to* $3.00 *per doz. ;* $5 *per hundred.*

SUPERB DOUBLE DAHLIAS.

Our stock of the above is the most extensive in the country, and embraces every desirable variety in cultivation. Dry roots of Dahlias grown in small pots through the Summer, which will bear transportation to any part of the world, will be furnished after the first of October. In consequence of the compact manner in which these can be put up, they are particularly adapted for sending to a distance. They will flower equally well with the ground roots, and can be furnished at much lower rates. Upwards of 150 varieties (pot roots), 30 *cents each ;* $3.00 *per dozen ;* $20.00 *per hundred.*

DOUBLE TUBEROSE (Polianthes Tuberosa).

The tubers of this delightfully fragrant flower may be planted from January until March. Where a succession is required, and can be accommodated with a warm greenhouse or conservatory temperature, planting may begin with the former period; but where convenience is limited to a hot-bed and greenhouse, the latter period is suited. In planting, remove the useless small offsets around the main root, place a single tuber in a pot six inches wide, or a group of two or three in a proportionately larger one. Use good rich-bodied loam.

	Each.	*Per doz.*	*Per 100.*
Flowering roots	$0.08	$0.75	$4.00
Large flowering roots	.10	1.00	5.00
Extra large flowering roots	.15	1.50	8.00

NEW DOUBLE TUBEROSE ("The Pearl").

This is a new and entirely distinct form of the old double tuberose. Its chief characteristics are its short robust stem and great size of flowers, the latter being as freely produced as in the common sort, while they are quite double the size and of purer white than the old variety.

	Each.	*Per doz.*	*Per 100.*
Flowering roots	$0.10	$1.00	$5.00
Extra large flowering roots	.15	1.50	8.00

NEW TUBEROSE WITH VARIEGATED FOLIAGE.

A beautiful plant, either for vases, borders, or planting in groups or beds. The leaves are finely striped with bright yellow lines. It flowers earlier than any other Tuberose. The flowers are large, single, and deliciously scented. 25 cents each; $2.50 per dozen.

Tuberose, the Pearl
One-half the average size.

BEGONIA TUBEROUS-ROOTED.

Begonia Tuberous-Rooted.

New hybrids of Boliviensis, Sedeni, Chelsoni, and others mixed. These splendid varieties produce branching and at the same time tufted plants from twelve to eighteen inches high, covered the whole Summer, until frosts set in, with bright and elegant flowers, succeeding as well in the shade as in the sun. Its utility for bedding cannot be overestimated. Masses on a lawn present a gorgeous aspect and elicit general admiration. *Flowering bulbs, 50 cents each; $4.50 per dozen.*

APIOS TUBEROSA.

A hardy herbaceous perennial belonging to the natural order Leguminosæ, or Pea family. It is an elegant climbing plant from two to five feet high. The flowers grow in dense lateral clusters of from twenty to thirty flowers each, of a chocolate brown color, and very fragrant, resembling violets. It remains in flower from July to September. The flowers are succeeded by pods about two inches long. It produces on its roots tubers a half inch in diameter and an inch long; in good soil they will grow to more than twice that diameter. *50 cents each.*

HARDY HERBACEOUS PLANTS (Native Varieties).

A choice collection of our native plants, many of which were collected by experienced botanists in the newly explored regions of the Sierra Nevada and the Rocky Mountains, and are quite new in this section.

12 distinct species and varieties, early and late blooming, for $3.50.

25 distinct species and varieties, early and late blooming, for $6.00.

50 distinct species and varieties, early and late blooming, for $10.00.

100 distinct species and varieties, early and late blooming, for $15.00.

All of our selection.

Collections of Seeds, of native plants, many of which are new and rare.

10 varieties, $1.00.

25 varieties, $2.00.

NEW AND RARE PLANTS.

For the Greenhouse or the Flower Garden, most of which are now offered for the first time.

We can either send by mail or by express, as desired, only when sending by mail a smaller size of plant is sent; but whenever it is practicable, we strongly advise that plants be sent by express; for, though the purchaser is required to pay express charges (which are usually moderate from our light system of packing), yet he always buys cheaper—quality of plants considered—than when plants are sent by mail, free.

ABUTILONS.

Rob George.—A strong growing variety with large almond-colored flowers, mixed crimson. 25c. each.

Snowstorm.—Pure white, of dwarf habit. A great improvement on "Boule de Neige." 35c. each.

John Thorpe.—Flowers bright golden yellow, of large size. 50c. each.

Rosæflora.—A free growing variety, with parasol-shaped flowers of a fine rose color. 50c. each.

Arthur Belsnam.—An erect grower. Flowers very large; color dark crimson. 35c. each.

BEGONIA FRŒBELLI.

A distinct species, tuberous rooted, sent out last season only in limited quantities and at high rates. It throws up flower stems to the height of eighteen inches; the flowers, which are two inches in length, are formed in graceful panicles; color of the most dazzling scarlet. It is entirely distinct from any other known species. It flowers from April to July, and is a most valuable plant for the florist, as it is in flower all through the selling season. 1st size, 60c. each; $6.00 per dozen. 2d size, 30c. each; $3.00 per dozen.

NEW CARNATIONS.

Cardinal.—This is the largest Carnation ever offered, flowers measuring on strong plants fully 3 inches in diameter; color, the deepest crimson maroon; highly clove scented, free flowering and strong grower; one of the best varieties. 75c. each.

Bridesmaid.—A very distinctly marked plant; some flowers of purest white, others have salmon rose shell-like blotches in center of flowers, which are large, full, and highly scented; fine grower and free bloomer. 35c. each.

Springfield.—Flowers very large, of the deepest carmine, shaded light red, of good size, with serrated edges; habit vigorous and remarkably healthy; a free bloomer, and a true perpetual carnation, plants living over for three or four seasons. 35c. each.

Star of the West.—A fine, striped variety, flaked with salmon, rose, and scarlet; finely shaped, free flowering, and of fine habit; a beautiful variety. 50c. each.

NEW CHRYSANTHEMUM.

Alba Perfecta.—A variety of the large pompon class; a very dwarf grower, a profuse bloomer; flowers pure white and of the most perfect shape; very desirable for florists. 35c. each.

NEW CLEMATIS.

Coccinea.—An entirely new and very beautiful distinct species, with very bright scarlet flowers in shape much like C. Crispa; the habit is intermediate between the latter and C. Recta; perfectly hardy, and one of the very finest plants in cultivation. $1.00 each.

CYCAS REVOLUTA (Sago Palm).

One of the most beautiful palms for house culture, or the window garden in winter, or for the summer decoration of the lawn. Fine healthy plants, $2.00 to $5.00 each; larger sizes from $10.00 to $50.00 each.

THE NEW COLEUS OF 1880.

After growing and testing more than fifty of the varieties sent out during the past season, we selected the following as being in every way desirable. The coloring and peculiar leaf formation of some varieties make them scarcely recognizable as belonging to Coleus.

Asa Gray,	**Miss Retta Kirpatrick,**
Beacon,	**Princeps,**
Buttercup,	**Pharo,**
Charm,	**Red Cloud,**
Gracillima,	**Seraph,**
Hiawatha,	**Spotted Gem,**
Illuminator,	**Superbissima,**
Marvellous,	**Tessellata.**

20c. each. The whole collection for $2.50.

NEW FUCHSIA.

Madame Van der Strass.—Scarlet tube and sepals; large pure white double corolla; strong, bushy grower; early and free flowering. 50c. each.

AMERICAN SEEDLING ZONALE GERANIUMS.

These varieties are unsurpassed, and are greatly in advance of any varieties ever before offered. We have great confidence in placing them before our patrons.

DOUBLE VARIETIES.

Mrs. E. G. Hill.—A superb novelty and entirely distinct from any previous variety. The flowers are double, nearly 1½ inches across, of most exquisite shape; ground color pale blush, overlaid with a delicate lavender shade; trusses of great size, measuring nearly six inches across, and keeping in perfect shape for a long time. The habit of the plant is free and robust, and very free flowering.

Peter Henderson.—Another fine variety with exceedingly bright orange-scarlet double flowers of fine shape, with base of petals pure white; trusses globular and freely produced; habit free, short-jointed and stout.

Richard Brett.—Immense trusses of flowers of that peculiar orange color of which "Jealousy" is the type, very double; an entirely new shade amongst double varieties; a grand bedder and of great merit.

Robert George.—A deep crimson scarlet of great size, brighter and more decided in color than Depute Laflize; a remarkably free flowerer, and of fine, strong growth, without coarseness.

The Blonde.—Another distinct and beautiful variety, quite different from any of its class; ground color salmon, deeply shaded orange; base of petals white, with a distinct margin of white around each; flowers of the finest shape; trusses of great size; habit all that can be desired.

Remarkable.—A much improved Ernest Lauth, with better shaped flowers of a deeper shade; trusses very large, and as freely produced as the freest flowering single kinds.

Dr. Phinney *(A. T. Simmons).*—Intense scarlet, shaded with deepest chestnut-crimson; individual flowers of great size; trusses very large and freely produced; a superb variety of great merit.

Hazel Kirke.—This is a variety with immense trusses of rich purple crimson flowers, short-jointed growth; and a most distinct and beautiful geranium.

Each, 75 cents, or the eight varieties for $5.00.

GERANIUMS.—*Cont'd.*

SINGLE VARIETIES.

Mary Hallock Foote.—Immense trusses of bright pale salmon, individual flowers, very large and of the finest shape, with a pure white eye; a grand variety.

Beacon.—Flowers of deep crimson scarlet, of fine shape, small white eye; large trusses and of fine habit.

Orange Boven.—Center of flowers bright orange, each distinctly margined with white; trusses immense size, quite globular; a free grower, and a valuable acquisition.

Mazeppa.—Flowers deep pure scarlet, of fine shape and substance; trusses immense, freely produced, and of fine, free habit.

Review.—Ground color salmon, distinctly margined and mottled with white, of the finest shape; trusses large and of good size; quite an addition to the light class, and very desirable. 75c. each; or the five varieties for $3.50.

☞ Besides taking ALL the First Premiums at the New York Horticultural Society's great show in June last, the Judges awarded an Extra Premium of TEN DOLLARS for these superb Seedlings.

NEW FRENCH GERANIUMS.

DOUBLE VARIETIES.

The following selections are valuable and have been selected from a collection of more than two hundred varieties, and will be welcomed on account of their distinctness.

Amphitrite.—Large, pure white flowers, immense trusses, most beautiful. 50c. each.

Charles Hovey.—Flowers finely shaped, delicate flesh color, large trusses. 35c. each.

F. V. Raspail.—Deepest scarlet, large flowers; good trusses, fine habit. 35c. each.

M. Pasteur.—A splendid variety, with deep crimson purple flowers. 35c. each.

M. Machet.—Orange, shaded salmon, with white markings on petals, extra. 35c. each.

Maronissa.—Deepest red, shaded violet, immense trusses, fine variety. 35c. each.

Nymph.—White, lightly tinged rose, large full flowers, extra fine. 35c. each.

The seven varieties for $2.00.

SINGLE VARIETIES.

Corallie.—Deepest pink, with pure white markings, large truss.

Concours Regional.—Immense trusses of pure rose colored flowers.

Jules Grevy.—Carmine, shaded pink, marbled rose.

Souvenir de Cuigneaux.—Rich velvety crimson flowers, immense trusses, fine variety.

The four varieties for $1.00.

NEW HELIOTROPE.

Chameleon.—A beautiful variety, with immense trusses of palest lavender flowers; large, pure white center, free flowering. 35c. each.

NEW HIBISCUS (Hardy).

Grandiflorus.—A most beautiful and distinct variety; flowers very large, nearly six inches in diameter; bright lemon, with purplish crimson throat; profuse bloomer; leaves much divided. $1.00 each.

HYACINTHUS CANDICANS (Hardy).

A magnificent new species, with flower stems three to four feet high, bearing from twenty to thirty pure white, large flowers, blooming in July and August. It is believed this will prove perfectly hardy, having stood the severe winter of '79 and '80 in Europe without injury. First size, 75c.; second size, 50c.

NEW LANTANAS.

Golconda.—Buff, changing to deep golden yellow, extra fine. 35c. each.

Marechal McMahon.—The very finest Lantana ever raised, trusses as large as verbenas, flowers bright as crimson and gold. 50c. each.

NEW GERMAN PANSIES.

Extra Fine. (See Chromo.)

Pansies are now being largely used for bedding purposes, vases, etc., and this new and fine type has greatly increased their popularity. Seedling plants, 25c. each; per dozen, $2.25.

NEW PASSIFLORA.

Arc-en-Ceil.—New, large and deliciously scented flowers; colors white, citron and bright blue; a free flowering and rapid growing climber. 75c. each.

NEW SINGLE PETUNIAS.

Faith.—Deepest maroon crimson, occasionally barred with white; flowers very large and numerous. 50c. each.

Hope.—A grand variety, deep crimson, shaded purple, with large white throat and fringed edges; flowers from four to five inches in diameter; a prolific bloomer, fine novelty. 50c. each.

Charity.—Light rosy crimson, blotched pure white, white throat; very large flowers, fine. 50c. each. The three varieties for $1.00.

Petunia Nana Compacta.—A most distinct and attractive novelty, eight or nine inches high, profusely covered with bright cherry-colored flowers with white throat. It flowers early, and continues in bloom throughout the season. 30c. each; $3.00 per dozen.

NEW REGAL PELARGONIUMS.

Of the magniflora or large flowering section, with fringed flowers.

Dr. Masters.—Immense flowers, large trusses, the top petals having large black blotches, with narrow margin of crimson; lower petals deepest crimson, with small black markings; the flowers deeply fringed; an elegant variety. $1.00 each.

Mrs. John Saul.—Rich glowing vermilion, stained deep crimson, with light center and edges of petals, which are finely fringed. $1.00 each.

Le 20 Fevrier.—Brilliant orange vermilion, with deep crimson black blotch, finely fringed; a fine acquisition. $1.00 each.

Queen Victoria.—A finely fringed and very beautiful variety, with immense trusses of deep crimson, scarlet flowers blotched maroon, white edges. 75c. each.

Md. Vibert.—Fiery red and black, shaded crimson; vigorous grower, free bloomer. $1.00 each.

Gloria Patria.—Flowers nearly pure white, veined with deep crimson; an exceedingly chaste and beautiful variety. $1.00 each.

NEW PHLOX (Hardy).

Miss Robertson.—A variety not growing more than fifteen inches high, with large panicles of the purest white flowers, flowering continuously from July until October; a valuable addition to our hardy plants. 35c. each.

NEW SALVIAS.

Bruanti.—Habit very dwarf and compact, flowers of the deepest crimson scarlet, trusses very large; a great improvement on S. Splendens. 35c. each.

Farinacea.—A distinct and beautiful species with narrow leaves and very compact growth; flowers pale sky blue with white markings; sweet scented; a beautiful variety. 50c. each.

TAGETES PARRYII.

A new and beautiful plant, with elegant cut foliage; habit bushy and very compact; flowers deepest golden yellow, an inch in diameter; a continuous bloomer, and very prolific. 75c. each.

EVER BLOOMING ROSES.

NEW AND VERY BEAUTIFUL ROSES OF RECENT INTRODUCTION.

Catherine Mermet.—Deepest flesh-colored rose, large and double. 35c. each.

Perle des Jardins.—Deepest golden yellow; a superb rose; fine grower. 35c. each.

Madame Lambard.—Reverse of petals bronzy crimson; inside of petals salmon, shaded fawn; flowers very large and of fine shape. 50c. each.

Marechal Robert.—Very large; pure white; center of flowers bright lemon; a distinct and beautiful variety. 50c. each.

Rovelli.—A lovely shade of bright carmine; large, double, and very sweet. 35c. each.

Louis Richard.—Rich coppery rose, changing to buff, shaded red and pink; a most distinct and beautiful new rose. 35c. each.

The above list of roses comprises the very cream of the last few years. Having been thoroughly tested for all purposes, we have no hesitation in pronouncing them unsurpassed. The six varieties, $2.00.

American Banner (Striped Tea Rose).—The foliage and flowers of this variety are quite distinct from any other rose, the former being small, thick and leathery, the latter constant in their striped character. 75c. and $1.00 each, according to size.

New Climbing Tea Rose (Reine Marie Henriette).—A most distinct and rapid growing climber, with flowers very large, double, and of bright cerise red, a counterpart of that grand rose, Gloire de Dijon, and we have no doubt equally as hardy; a great acquisition. 50c. each.

SELECT LIST OF CONTINUOUS BLOOMING ROSES.

Adam.—A superb rose, with large, fine, pink shaded flowers, fragrant and very free.

Aline Sisley.—A lovely shade of rosy pink, sometimes very bright; sweet scented, fine.

Anna Ollivier.—Large, full, and very fragrant; creamy white, shaded light red.

Agrippina.—Splendid deep crimson; one of the most beautiful garden roses.

Alba Rosea.—Creamy white, shaded flesh and rose; large, double, and sweet.

Bon Silene.—Rosy carmine, shaded pale rose; lovely buds, free blooming and fragrant.

Clare Carnot.—Buff, shaded orange, delightful perfume; half climbing habit.

Cheshunt Hybrid.—Deep red, shaded maroon and crimson; large and full; climber.

Comtesse Riza du Parc.—A lovely rose, very sweet, flowers large; bright shining China rose.

Cornelia Cook.—Large, pure white; one of the very finest varieties grown.

ROSES.—*Cont'd.*

Devoniensis.—Creamy white; very large and fine.

Duchesse de Brabant.—Silvery rose, edged with carmine; one of the most fragrant; very fine.

Douglass.—Dark velvety red, fine free grower and prolific bloomer; quite sweet.

Gloire de Dijon.—Yellow, shaded with salmon; a large and very fine rose.

Hermosa.—Silvery rose, pink, very double; flowering incessantly; extra.

Isabella Sprunt.—Light canary yellow; fine buds; fragrant.

Lamarque.—White, with lemon center; very double; fragrant, climbing.

Lady Warrender.—Pure white, very free flowering; an exquisite variety.

Marie Guillot.—Splendid large white flowers, globe shaped; fine grower; one of the best.

Marie Van Houtte.—White and rose, deep yellow center; deliciously scented; free bloomer.

Mme. Camille.—Blush, shaded salmon pink; a very large fine flower.

Mme. Devacout.—Canary yellow; large and double; a beautiful variety.

Mme. de Vatry.—Splendid deep rose, shaded crimson; fine grower.

Mme. Bravy.—Exquisite shape, large, full; nearly pure white, blush center.

Mme. Pauline Labonte.—Salmon, shaded copper color; large, full, and free.

Marechal Niel.—Golden yellow; a grand variety; climbing habit.

Marie Ducher.—Salmon, shaded rose and pink; large flowers; sweet.

Niphetos.—Pure white, sweet, large, and full; an exquisite variety.

Premium de Charrisiems.—Carmine, shaded red; full, sweet, and free.

Regulus.—Carmine red, shaded light pink; free flowering, distinct and fine.

Rubens.—Pale creamy yellow, shaded white and tinted rose; a superb variety.

St. Joseph.—Salmon, shaded rose and fawn; large, double, sweet, and free.

Souvenir d'un Ami.—A lovely rosy pink, shaded deeper; splendid flowers.

Souvenir du David.—Very bright light red; a free bloomer; fine grower.

Safranot Buff.—Apricot and yellow; fine, large buds; one of the very best.

Sombrieul.—Nearly pure white; large, free flowering, sweet, splendid.

Sir Walter Scott.—Free flowering; very bright red; sweet scented; free.

Washington.—Pure white; very free flowering; large clusters; a fine climber.

NOTE.—The above Roses are not hardy in the Northern States, and should be protected in a cold frame or a cool cellar on the approach of hard frost. In the Southern States they will be perfectly hardy, and do not require covering.

These Roses are especially grown for mailing, and are stout and thrifty.

For $1.00	we send to	one	address	5	Roses.
" 2.00	"	"	"	12	"
" 3.00	"	"	"	19	"
" 4.00	"	"	"	26	"
" 5.00	"	"	"	35	"
" 10.00	"	"	"	75	"
" 13.00	"	"	"	100	"

50 Roses, purchaser's selection, not to exceed 25 varieties, by Express, $6.50. By Mail, to one address, $7.00.

100 Roses, purchaser's selection, not to exceed 50 varieties, by Express, $12.00. By Mail, to one address, $13.00.

When ordered sent by Express, the purchaser must pay Express charges.

Planters who wish several hundred Roses or other plants for their own use, will write for special rates—stating number and varieties wanted.

Large plants from 5-inch pots by Express at double the prices.

Hybrid Perpetuals, a fine collection, 25 cents each, from 2½-inch pots.

" " " " 50 " " " 5 " "

GENERAL LIST OF WELL PROVED AND ESTABLISHED PLANTS.

For the Greenhouse or the Flower Garden.

Acalypha tricolor.—A showy plant, suitable for greenhouse or bedding-out purposes; foliage elegantly variegated with olive and red. 50c. each.

Achillæa Ptarmica fl.pl. *(Double-flowering Sneezewort).*—A low spreading plant, with small, pure white heads of double flowers. 35c. each.

Achyranthes.—Bright-leaved foliage plants, for massing, etc., 6 sorts. 25c. each; $2.25 per dozen.

Acorus variegatus.—Dwarf, grass-like plant, with yellow striped foliage, fine for bedding and baskets. 25c. each; $2.25 per dozen.

Adamia versicolor.—Somewhat like an Hydrangea, with large panicles of purple and violet star-shaped flowers; from China. 50c. each.

Adiantum Farleyense.—The Queen of Ferns. A splendid species, growing from two to three feet high, with broad, pendulous fronds, deeply fringed with almost crispy lobes. 75c. each.

Agave nova sp. from Mexico.—An entirely new and distinct plant, with broad, pale green leaves. It is well adapted for vases, lawns, and cool conservatory decoration; too large for mail. 50c.

Agave.—Six additional species, all distinct and desirable for decorative purposes; of easy cultivation, either under glass or in the open air. 50c. each, or the set of six for $2.50.

Ageratum, New White Blanche.—A pure white Ageratum, very desirable for cut flowers, both in winter and in summer. 30c. each; $3.00 per dozen.

—**John Douglas.**—Deep mazarine blue, compact habit, profuse bloomer. 25c. each; $2.00 per doz.

Alocasia illustris.—A superb new species of great value for decorative purposes in window gardening; leaves large, with black markings. $1.00 each.

Aloe.—Two attractive forms of this easily managed succulent genus. They are admirably adapted for warm, dry rooms. 50c. each, or the two for 75c.

Alternanthera amœna spectabile.—The finest variety among this entire class of foliage plants. The leaves present a rich magenta rose tip, even when quite small; fine for carpet-bedding or ribbon lines. 20c. each; $2.00 per dozen; $12.00 per 100.

Alternanthera.—Very bright tinted leaves, excellent for bedding, 3 sorts. 15c. each; $1.50 per dozen.

Alyssum, Double White.—Similar in every way to the Sweet Alyssum, but with double flowers. Valuable for cut flowers at all seasons. 30c. each; $3.00 per dozen.

Ampelopis Bipinnata.—A finely marked cut-leaved variety of the "Virginia Creeper," equally hardy and entirely distinct, making a novel and valuable plant for covering walls or trees; color of autumn foliage, crimson, scarlet and yellow, etc. 50c. each; $4.50 per doz.

Anthericum repens vitatum var.—Beautifully variegated with white and green stripes; one of the best plants for hanging-baskets. 50c. each; $4.50 per dozen.

Ardisia crenulata.—A pretty little evergreen shrub, bearing clusters of brilliant scarlet berries. From 35c. to 50c. each.

Artemesia stellariana.—A creeping, silver-foliaged plant, hardy. 25c. each; $2.25 per dozen.

Azalea Indica *(Chinese Azaleas).*—Splendid assortment; all colors. 35c. each; $4.00 per dozen.

Bambusa Variegata.—A variety of Bamboo, variegated white and green. It does not grow more than six inches high, so it fills in nicely in Wardian cases. 35c. each.

Begonia.—Choicest sorts, flowering. 30c. each; $3.00 per dozen.

Begonia Froebelli.—See page 59.

Begonia glaucophylla scandens.—Drooping or pendent. Hanging-baskets filled with this only are exceedingly handsome, and much sought for. 30c. each; $3.00 per dozen.

Begonia Rex.—Ornamental leaved, finest kinds, 50c. each; $4.50 per dozen.

Bouvardia Humboldtii.—Flowers of purest white, one inch in diameter, borne on long foot-stalk, in loose, graceful panicles, blooming from October to June. Rich jessamine fragrance. 30c. each; $3.00 per doz.

—**Candidissima.**—Individual flowers, smaller than the preceding, but trusses larger. Both are exceedingly desirable, and great acquisitions to our winter flowering plants. 30c. each; $3.00 per dozen.

—**Sanguinea.**—A new variety. Color crimson vermilion. Truss compact. 75c. each; $6.00 per dozen.

—**Rosalinda.**—A new variety. Flowers light rose-color, like Lady Hyslop, but larger and finer in all its parts. 50c. each; $4.50 per dozen.

Bouvardias (older varieties).—White, carmine, and scarlet. 30c. each; $3.00 per dozen.

Canna *(Indian Shot).*—Plants with broad, massive foliage, highly ornamental. Our collection comprises all the choicest varieties. 25c. each; $2.50 per dozen.

Carnation, Crimson King.—Deep crimson, sweet scented.

—**Hinsdale.**—Lilac rose, marked with white, sweet.

—**Emile Zeller.**—Light scarlet, fine bloomer.

—**La Purite.**—Carmine, fine flowers.

—**Peerless.**—Fine white, clove scented.

—**Peter Henderson.**—Very large, pure white.

—**Snowden.**—Dwarf habit, free grower, flowers white. (For new varieties see page 59.)

The above Carnations, 20c. each; $2.00 per dozen.

Calla Ethiopica.—Or Lily of the Nile; fine plants. 30c. each; $3.00 per dozen.

Campsidium filicifolium.—An elegant climber, of so delicate and graceful form as often to be mistaken for a climbing fern. The foliage is bright green; it is one of the choicest plants for hanging-baskets. 50c. each; $4.50 per dozen.

Camptosorus rhyzophyllus *(Walking Leaf).*—This rare little native fern is increased by means of the tips of the fronds curving to the ground, where they emit roots and form a new plant. It is very fine for Wardian cases, cool greenhouses, and shady rockeries. 25c. each.

Centaurea gymnocarpa.—Used largely in masses and lines, white leaved. 30c. each; $3.00 per doz.

Cereus Speciosus.—A tall, white-flowering cactus. 50c. each; $5.00 per dozen.

Chrysanthemum, Chinese.—Twelve new varieties. 25c. each; $2.25 for the set.

—**Japanese.**—Twelve new varieties. 25c. each; $2.25 for the set.

—**Pompone.**—Twelve new varieties. 25c. each $2.25 for the set.

Full set of thirty-six varieties, embracing all classes, $6.00.

Cineraria maritima.—A white-leaved plant, one of the best. 25c. each; $2.25 per dozen.

Cissus.—Three species of elegant greenhouse vines. 50c. each; $5.00 per dozen.

Coleus.—See page 59.

Croton Youngii.—This magnificent plant is entirely distinct from any other variety known. It is of noble and graceful habit; the leaves are of great substance, from one and a half to two feet in length, deep red underneath, the upper surface dark green, blotched with creamy yellow and rosy red. $1.00 each.

Croton volutum.—An elegant new species, with the leaves rolled up after the manner of a ram's horns; color deep green, with a golden bar down the center. $1.00 each.

Crotons.—Eight distinct varieties of this very elegant greenhouse plant. The rich, glossy leaves are striped, spotted, and marbled with various shades of pink, yellow, and red. 50c. each, or the set of eight for $3.50.

Cupheas.—Two sorts, very neat little flowering plants. 25c. each; $2.25 per dozen.

Curculigio recurvata.—The palm-like growth and general hardiness of the Curculigio makes it a valuable plant for room decoration in winter. Four-inch pots, fine, 35c.; six and seven inch pots, 50c. and 75c. each.

Cyperus alternifolius variegatus.—An attractive rush-like plant, with the stem and leaves striped with white; excellent for baskets, vases, or Wardian cases. 50c. each.

Dahlias.—In many choice varieties, including all shades of colors to be found in the Dahlia. 30c. each; $3.00 per dozen.

Daisies. English *(Bellis Perennis).*—Double white and pink. 15c. each; $1.50 per dozen.

Dasylirion.—Elegant decorative plant for vases. 50c. each; $5.00 per dozen.

Dracena Terminalis.—Scarlet, for center of baskets, vases, etc. 50c. to $1.00 each.

Echeveria.—In variety; handsome succulents. 35c. each; $4.00 per dozen.

Epiphyllum.—Flat, jointed-leaved cactus, beautiful. 25c. each; $2.25 per dozen.

Erianthus Ravenna.—A stately grass, and perfectly hardy. 30c. each; $3.00 per dozen.

Eucharis Amazonica.—An exquisite white, star-shaped flower, for greenhouse culture, deliciously fragrant. $1.00 each; $9.00 per dozen.

Ferns.—A fine assortment for baskets and vases. 30c. each; $3.00 per dozen.

Feverfew, Dwarf White.—Hardy, flowers white. 25c. each; $2.25 per dozen.

Feverfew, Golden.—Bright yellow foliage, useful in massing, etc. 25c. each; $2.25 per dozen.

Fittonia.—Three varieties, handsome variegated plants. 35c. each; $4.00 per dozen.

Euphorbia Corrolata.—This is one of the most valuable Summer flowering plants known. The flowers are pure white, small, and borne in the greatest abundance. It is excellent for bouquets, etc., where it takes the place of the Bouvardia in Summer, which it somewhat resembles. Perfectly hardy. 50c. each; $4.50 per dozen.

Eulalia Japonica Zebrina.—Unlike everything else, the striping or marking is *across* the leaf, instead of longitudinally. It grows from four to six feet in height, forming a most striking and graceful plant, resembling nothing else that we know of in cultivation. The expanded flower resembles the ostrich plume. When dry they keep for years. Plant entirely hardy. First size, $1.00 each. Second size, 75c. each.

— Japonica Var.—An older variety of preceding. Leaves striped white and green, longitudinally. Next to the Zebrina, the most ornamental of all hardy grasses. Large plants, $1.00 each; $9.00 per dozen. Smaller, 50c. each; $4.50 per dozen.

FUCHSIAS.

The following are selected as the best of a large and splendid English collection:

Anna Boleyn.
Arabella Improved.
Aurora Superba.
Avalanche.
Carpeaux.
Charmer.
Carl Halt.
Covent Garden White.
Elm City.
Puritane.
Rose of Castile.
Ray of Light.
Speciosa.
Sedan.
Tower of London.
Warrior.

20c. each; $2.00 per dozen.

GERANIUMS, ZONALE.

A Selection of the very finest and well tested varieties.

DOUBLE VARIETIES.

Amelia Baltet.—Pure white, large trusses, fine habit.

Asa Gray.—Salmon, compact habit, free bloomer.

Auguste Villaume.—Light carmine, free grower; fine bedder.

Bishop Wood.—Deep crimson, shaded purple.

C. H. Wagner.—Purple red, shaded violet.

Casimer Perrier.—Orange salmon, large trusses; fine.

Delobel.—Rose, with magenta shade.

Depute Ancelon.—Violet and carmine; large and fine.

Depute Laflize.—A magnificent deep crimson.

Dr. J. T. Kirtland.—Deep carmine red, shaded purple; one of the best.

Dr. Cuigneaux.—Purple, shaded carmine, distinct.

Ernest Lauth.—Immense trusses of deep purple crimson.

E. G. Hill.—Light rosy red, immense trusses.

Henry Cannell.—Largest flowers, bright scarlet. 50c. each.

J. H. Klippart.—Immense trusses of deep scarlet; finest bedder.

La Pere Secchi.—Orange, shaded salmon, large trusses.

Louise.—A new color, reddish salmon and orange; fine.

Mary Geering.—Pure rose pink, white markings; fine.

McLeod.—Large, perfect shaped scarlet flowers.

Mrs. Hayes.—Pure pink, large trusses; fine variety.

Mons. Dibos.—Blush, shaded rosy salmon, distinct.

Naomie.—Pink, shaded lavender; very free and fine.

President Leon Simon.—Red, shaded light pink; fine variety.

SINGLE VARIETIES.

Bamford's Glory.—Bright cerise red, large trusses; fine bedder.

Cardinalis.—Very deep crimson, distinct.

Clement Boutard.—White, shaded blush; large trusses.

Corsair.—Deep pure scarlet; very fine.

Dr. Denny.—Purple, shaded blue, orange color top petals. 50c. each.

Emily Vaucher.—Pure white.

Gen. Sherman.—Purple crimson, large trusses.

Happy Thought.—A novel style of leaf variegation, differing from the ordinary form in having a large yellow blotch in the center of the leaf, with an outer band of green at the margin. Flowers rich magenta rose. A good bedder.

Jealousy.—Deep orange; new color.

Jean Sisley.—Scarlet, pure white eye.

Master Christine.—Pink; best bedder of the color.

Mrs. Whiteley.—Large flowers, white eye; fine.

New Life.—By far the finest striped variety. Ground color deep scarlet, striped and blotched with white; we have found it to run back to plain scarlet, salmon color, etc., all on the same plant, but the average are pretty constant in their striped character.

P. L. Courier.—Red, shaded orange, large trusses.

Queen of the West.—Light cerise red; good bedder.

Snowden.—Large trusses of pure white flowers.

Price, except where noted, 25c. each; per twelve varieties, $2.50.

For new varieties, see page 59.

GERANIUMS (Ivy leaved).

The Ivy Geraniums are now being used largely as basket and vase plants, and for house plants to train on trellis, either upright or drooping. Few plants are more easy of culture or more attractive; both flowers and foliage are now very varied.

GERANIUMS (Ivy leaved).—*Cont'd.*

Medina.—Lilac-veined carmine.
Dolly Varden.—Yellow ground, bronze zone, flowers pink.
Letitia.—Flowers white and maroon.
Alice Lee.—Leaves orange-yellow, flowers crimson.
Eclipse.—Flowers blush-veined violet.
Florinda.—Flowers white-veined crimson.
King Albert.—Flowers rose color, double. 30c. each; or $2.00 for set of eight.

GERANIUMS (New Golden Tricolor).

It is difficult to describe the different leaf-markings of these; suffice it to say that they are marked with yellow, crimson, scarlet, and maroon, after the manner of "autumn leaves." These newer kinds are mostly strong growers.

Bed of Gold. **Humming-Bird.**
Countess of Craven. **Jetty Lacy.**
Countess of Triconnell. **Needle Gun.**
Emily. **Queen of Tricolors.**

$1.00 each. Set of 9 for $6.00.

Geraniums, Tricolor.—Handsome variegations, older varieties. 40c. each; $4.00 per dozen.
Geraniums, Bronze.—Golden-leaved, fine for bedding. 30c. each; $3.00 per dozen.
Geraniums, Silver.—White-leaved, Mount of Snow, etc. 30c. each; $3.00 per dozen.
Geraniums, Scented.—6 sorts really desirable. 25c. each; $2.25 per dozen.
Geraniums, Pelargoniums *(Lady Washington Geraniums).* 50c. each; $4.50 per dozen.

GLOXINIAS.

Twelve distinct new varieties, drooping and upright flowers; truly wonderful in their richness of coloring—blue, scarlet, rose, crimson and white. 1st size, 75c. each; $7.50 per set. 2d size, 50c. each; $4.50 per set.

HELIOTROPE.

Juliette.—One of the darkest, fine compact habit, exquisite fragrance. 25c. each; $2.00 per dozen.
Mme. Blonay.—The nearest approach to pure white we have yet had in the Heliotrope; truss very large, growth compact; a decided acquisition. 25c. each; $2.00 per dozen.
Heliotrope.—Best light and dark kinds; older varieties. 25c. each; $2.00 per dozen.

Hibiscus.—A genus of greenhouse plants, exceedingly valuable for bedding purposes. The large scarlet and yellow flowers are unusually showy. Five kinds, 50c. each; or $2.00 for the entire set.
Honeysuckle.—Evergreen, Japanese, etc. 25c. each; $2.25 per dozen.
Hoya carnosa *(Wax plant),* a handsome climber. 30c. each; $3.00 per dozen.

HYDRANGEA (New Climbing).

Mr. Thos. Hogg, to whom we are so much indebted for many other Japan plants, describes this variety as clinging to trees to the height of fifty feet, producing corymbs of white flowers of the size of ordinary Hydrangeas. It clings exactly like ivy, and one can imagine the effect of a wall or tree so covered while in full bloom. Like all Japan plants of that character it is entirely hardy. 1st size, $2.00 each, $18.00 per dozen· 2d size, $1.50 each, $12.00 per dozen; 3d size, 50c. each, $4.50 per dozen.
Hydrangea.—Additional varieties at page 66.

Palms.—A very complete assortment of these superb decorative plants. They are readily managed, and are unsurpassed for drawing-rooms, conservatories, greenhouses, or shaded spots in the open air. $2.50 to $5.00 each. We will forward per express five distinct large specimens for $20.00. Small plants for mailing purposes, 50c. each, or five beautiful kinds for $2.25.

IRIS.

The way this fine genus of plants is growing in public favor warrants our making a few remarks about their varied beauty. We must first of all remark the great improvement already made in the different groups. Iris, as generally known, have been looked upon as little better than *weeds,* but the gorgeous flowers and exquisite coloring of the modern Iris can be compared favorably with many of the exotic orchids; among which, particularly, are Reticulata, Iberica, Susiana, the numerous varieties of Anglica and Germanica, while Kæmpferi is perhaps the very finest of the whole group, being perfectly hardy, flowering in the greatest profusion during June and July.

Anglica.—In fifty varieties, 15c. each; mixed, per dozen, $1.25.
Germanica.—Twenty-five named varieties, 20c. each; fine mixture, per dozen, $2.25. Princess of Wales (new), each, $1.00.
Cuprea.—Species with bronzed flowers. 30c. each.
Cristata.—Very dwarf, early. 15c. each.
Gigantea (new).—Very beautiful. 50c. each.
Hispanica.—Twenty-five named varieties, 15c. each; mixed, $1.00 per dozen.
Iberica.—Dwarf, early flowering species. 35c. each.
Reticulata.—The earliest and one of the hardiest varieties. 50c. each.
Pumila.—Beautiful varieties. 15c. each.
Susiana.—Very dark chocolate flower. 35c. each.
Kolpakowskiana (new).—Early, very handsome, resembling Reticulata. $1.50 each.
Kæmpferi.—Double white; one of the most useful for cut flowers. 25c. each; $2.50 per dozen. Mixed varieties without names, 20c. each; per dozen, $2.00.
Verna.—Beautiful new variety. 50c. each.

LAGERSTRÆMIA INDICA REGINA (Crape Myrtle).

A rich carmine flowered variety of vigorous growth, much superior to the original colored variety. $1.00 each; $9.00 per dozen.

LAGERSTRÆMIA INDICA ALBA (White Crape Myrtle).

This pure white variety, introduced some eight years ago, is yet scarce; the flowers are pure white; habit and general characteristics same as the preceding. 60c. each; $6.00 per dozen.

LYGODIUM SCANDENS (Japanese Climbing Fern).

A Climbing Fern from the East Indies. A most graceful plant, growing from one to fifty feet. Quite as easy of culture as the Smilax; although climbing, when supported by strings or wires, it can be used, with equal advantage, as a drooping plant, for baskets or vases; as a house plant for the parlor, nothing is more easy of culture. 1st size, 50c. each; $4.50 per dozen. 2d size, half price.

MARANTAS.

Eight of the most beautiful varieties of these charming greenhouse plants; are all elegant as parlor decorations, grown in Wardian cases, etc. 50c. each; $3.50 for the set of eight

OXALIS.

Four distinct Sorts.—Excellent for baskets or vases; colors all shades from white to deep crimson. 25c. each; $2.25 per dozen.

OLEANDER, DOUBLE WHITE.

The flowers are pure white, double, but on small plants are not well developed, and purchasers must therefore not be disappointed if the flowers at first are not perfect. 75c. each; $6.00 per doz.
Oleander, five choice new varieties, with distinct brilliant colors. 75c. each, or the set of five for $3.50.
Oleander, the old double rose variety. 50c. each; $5.00 per dozen.
Othona sedifolia, a handsome trailing succulent, fine for baskets, vases, etc. 25c.; $2.25 per dozen.

Pampas Grass.—50c. each; $4.50 per dozen.
Panicum var.—Variegated trailing grass for baskets, etc. 25c. each; $2.25 per dozen.

PANDANUS UTILIS (Screw Pine).

So called from the arrangement of the leaves on the stem. It is a beautiful plant, excellently adapted for the centers of vases or baskets, or grown as a single specimen. No plant is better suited for room culture. First size, $1.00 each, $9.00 per doz.; second size, 50c. each, $4.50 per doz.

PILOGYNE SUAVIS.

A rapid growing climber, with small, glossy, green leaves. It does well at all seasons in the house; while out-of-doors, in the summer, it has no equal for shading the veranda or summer-house. Flowers yellowish white, fragrant; an excellent basket plant. 25c. each; $2.25 per dozen.

POINSETTIA, NEW DOUBLE.

The single variety of Poinsettia is known to be one of the most gorgeous of plants—the bracts, or flower leaves, being often over a foot in diameter, and of the most brilliant vermilion color. The kind above offered is the *double* variety of this beautiful plant. The **double variety,** $2.00, $3.00, and $5.00 each; the **single variety** at from 25c. to $1.00 each, according to size.

Passiflora *(Passion Flowers).*—Four sorts, 30c. each; $3.50 per dozen.
Pepperomia.—Curious succulent, striped leaves. 20c. each.
Peristrophe augustifolia.—Leaves variegated, yellow, and green. 20c. each.
Phlox.—Hardy varieties; twenty-five handsome sorts. 25c. each; $2.25 per dozen.
Plumbago capensis.—Light blue, blooming very abundantly. 30c. each; $3.00 per dozen.
Pomegranates.—Double flowering and single yellow flowering. 35c. each; $3.00 per dozen.
Primrose, Chinese single.—Red and white. 25c. each; $2.25 per dozen.
Primrose, Double.—White. $1.00 each; $9.00 per dozen.
Richardia alba maculata.—A spotted leaved Calla. 50c. each; $4.50 per dozen.
Salvia splendens *(Scarlet Sage).*—Intense scarlet. 25c. each; $2.25 per dozen.
Sarracenia *(Pitcher-plant).*—Three species. 50c. each; $5.00 per dozen.
Saxifraga crassifolia.—A hardy plant for the open border. It has large, thick, fleshy leaves, and short panicles of bright pink flowers in early spring; one of the prettiest cultivated perennial plants, easily grown. 35c. each.
Sedums *(Stone Crop).*—Twelve distinct sorts. 25c. each; $2.25 per dozen.
Selaginella.—Six fine varieties of these handsome Club Mosses; particularly adapted for fern cases, etc., etc. 25c. each, or the set for $1.25.
Sempervivum *(House Leeks).*—Three species. 25c. each; $2.50 per dozen.
Stenotaphrum glabrum variegatum.—A new grass with elegantly variegated leaves. It is dwarf and trailing in habit, and has proven the past summer to be one of the most conspicuous and showy bedding plants in our collection; for basket work it is especially fine. 25c. each; five plants for $1.00.
Sweet William.—A beautiful strain. 25c. each; $2.25 per dozen.
Tuberoses.—Started in pots, double white. 20c. each; $2.00 per dozen.
Tuberoses.—Started in pots, The Pearl. 25c. each, $2.50 per dozen.
Torenia Fournieri.—One of the prettiest plants for baskets or vases. Flowers are violet blue, Gloxinia-shaped, with yellow throat. Completely covered all Summer with bloom. 30c. each; $3.00 per dozen.
Torenia Bailloni.—A new and entirely distinct variety, equally valuable as the preceding; flowers dark maroon, tipped golden yellow. 30c. each; $3.00 per dozen.
Torenia.—Two species, adapted for hanging-baskets. 25c. each; $2.25 per dozen.
Tradescantia.—Three varieties, for hanging-baskets. 15c. each; $1.50 per dozen.
Vinca.—Two variegated leaved sorts. 25c. each; $2.25 per dozen.
Violet, Belle de Chatenay.—Flowers pure white, delicately perfumed, large size, and very double. 30c. each; $3.00 per dozen.
Violet, Victoria Regina.—Single, dark purple, large, and very fragrant; hardy. 30c. each; $3.00 per dozen.
Violet, Marie Louise, Neapolitan, etc.—25c. each; $2.25 per dozen.
Verbenas.—A splendid collection. 10c. each; $1.00 per dozen. Unnamed varieties, 75c. per dozen.

HARDY PERENNIAL PLANTS.

Achillea millefolium.—Two shades of red. 25c. each.
Aconitum *(Monkshood).*—Blue. 25c. each.
Amsonia salicifolia.—Light blue. 25c. each.
Anemone Japonica *(Wind Flower).*—35c. each.
Anthericum Liliastrum *(St. Bruno's Lily).*—50c. each.
Armeria *(Thrift).*—Three good kinds. 25c. each.
Asclepias tuberosa.—Brilliant orange. 30c. each.
Aster.—Four autumn blooming kinds. 25c. each.
Astilbe Japonica.—Pure white. 35c. each.
Baptisia Australis.—Bright yellow. 25c. each.
Campanula *(Bell-flowers).*—Five kinds. 30c. each.
Coreopsis grandiflora.—Bright yellow. 25c each.
Cypripedium *(Wild Lady Slipper).*—Three hardy kinds. 30c. each.
Dicentra eximia.—A native species. 25c. each.
Dicentra spectabilis *(Bleeding-heart).*—25c. each.
Dictamnus Fraxinella *(Gas Plant).*—35c. each.
Eupatorium ageratoides.—White. 25c. each.
Funkia *(Day-lilies).*—Four varieties. 25c. each.
Geranium.—Two hardy species. 25c. each.
Helianthus hirsutus.—Hardy. 25c. each.
Helleborus niger.—Dwarf, green flower, very early in Spring. 25c. each.
Hemerocallis.—Five distinct kinds. 25c. each.
Hieracium aurantiacum.—Red. 25c. each.
Iris.—Sixty finest German varieties. 25c. each.
Lythium *(Purple Loosestrife).*—25c. each.
Nierembergia rivularis.—Creeping plant, with large bell-shaped white flowers. 25c. each.
Œnothera Missouriensis.—25c. each.
Opuntia *(Prickly Pear).*—Hardy cactus. 25c. each.
Pachysandra procumbens.—Early. 25c. each.
Pentstemon.—Four beautiful varieties. 25c. each.
Phlox subulata *(Mountain Pink).*—25c. each.
Phlox alba and oculata.—White and red-eyed, very dwarf; rare. 25c. each.
Polemonium *(Jacob's Ladder).*—Two species. 25c. each.
Ranunculus fl. pl. *(Double Buttercup).*—25c. each.
Saxifraga crassifolia.—Elegant plant. 35c. each.
Sedum.—Seven species. 25c. each.
Silene.—Two pretty species. 25c. each.
Spiræa *(Meadow-sweet).*—Three kinds. 25c. each.
Statice.—Pale blue; mixed kinds. 25c. each.
Thymus *(Thyme).*—Three varieties. 25c. each.
Tradescantia *(Spiderwort).*—Six varieties. 35c. each.
Tricyrtis.—Curiously variegated. 25c. each.
Tunica Saxifraga.—A neat rock-plant. 25c. each.
Veronica.—Several varieties; blue. 25c. each.
Viola *(Violets).*—Eight native species. 25c. each.
Xerophyllum asphodeloides *(Turkey's Beard).*—25c. each.

MISCELLANEOUS PLANTS.—*Cont'd.*

HARDY PERENNIAL PLANTS.

This class of plants deserves more attention from all lovers of flowers than it has received. They are perfectly hardy, the tops dying to the ground each year, springing up again on the first approach of warm weather. Once planted, they will grow and do well for years. Among them are some exquisite things, some so old as to be almost forgotten, and all of merit. Price, 12 distinct kinds, $2.25; 25 distinct kinds, $4.00; 50 plants, 25 distinct kinds, $7.00; 100 plants, 25 distinct kinds, $12.00; Invariably our selection.

HYDRANGEA.

Thos. Hogg.—This beautiful new Japanese variety has large heads of pure white flowers, and is a very free and abundant bloomer. It grows very thriftily, and soon forms a large specimen plant: one of the finest novelties ever introduced into this country. 50c. each.

Hortensis.—The old garden variety, with large corymbs of rose-colored flowers. 35c. each.

Otaksa.—A new variety from Japan, with very large flowers. 35c. each.

Quercifolia.—Large, oak-leaved species, quite ornamental. 50c. each.

Imperatrice Eugenie.—A new French variety, with very beautiful bloom. 35c. each.

Paniculata grandiflora.—Exceedingly showy, pure white and perfectly hardy everywhere. A great acquisition and should be in every yard, no matter how small. 50c. each.

Thunbergia.—Lovely pink flowers. 35c. each.

Lindleyi.—Rose-colored bloom, from Japan. 35c.

SPIREA PALMATA.

One of the finest of hardy herbaceous plants; flowers bright rose, borne on large panicles, resembling a plume of ostrich feathers. 50c. each; $4.50 per dozen.

RHODODENDRONS.

Rhododendron Ponticum.—12 to 18 inches. 50c. each.

— Maximum.—18 to 24 inches. 75c. each.

— Catawbiense.—15 to 20 inches. 75c. each.

— — 18 to 24 inches. $1.00 each.

— — fine grafted sorts, without bloom buds, 15 to 20 inches. $1.00 each.

— — with bloom buds, 15 to 20 inches. $1.50 each.

— — without bloom buds, 18 to 24 inches. $1.50 each.

— — with bloom buds, 18 to 24 inches. $2.00 each.

Larger plants, $3.00 to $25.00 each.

We offer in all about fifty distinct varieties. When ordered by the dozen, our selections, a discount of ten per cent. from retail prices.

GHENT AZALEAS.

This most beautiful tribe of plants is perfectly hardy, and will thrive in any good garden soil. We have secured the best sorts now grown either here or in Europe, and the richness of their varied colors cannot be surpassed by any other hardy shrubs. Their finest effect is obtained by planting in groups. We offer fifty distinct varieties at $1.50 each; $15.00 per dozen.

CHINESE AZALEAS (Azalea Indica).

This is one of the best house plants known, either for window or parlor culture. The varieties are so numerous that descriptions convey but a little idea of their appearance. We offer fifty distinct varieties.

Fine varieties, our choice, 9 to 12 inches, 75 cents each; $7.50 per dozen.

Fine varieties, our choice, 9 to 12 inches, grafted, $1.00 each; $9.00 per dozen.

Fine varieties, our choice, 12 to 18 inches, $1.25 each; $12.00 per dozen.

Extra sized plants of the above varieties, $1.50 to $3.00 each.

FLOWERING SHRUBS.

Healthy young plants of the following list are kept in stock especially for mailing. They are sure to make a fine growth when planted in the open air, under favorable cultivation. Assortments, 6 for $1.25; 12 for $2.00, where offered at 25 cents each. Small plants per mail, postage free.

Althæa, double, 8 distinct varieties, very beautiful. 25c. each, or the set of 8 for $1.75

Athæa, Fleur Blanche. A pure white. 35c.

Athæa, variegated leaved, showy. 35c.

Calycanthus floridus *(Sweet-scented Shrub).* 25c.

Cornus alba *(Red-twigged Dogwood).* 25c. each.

Cydonia Japonica *(Japanese Quince),* with brilliant scarlet bloom. 25c. each.

Deutzia crenata, produces myriads of drooping white bells; very hardy and double. 25c. each.

Deutzia crenata candidissima, pure white, perfectly double, new and desirable. 35c. each.

Deutzia gracilis, a small, compact little shrub, with pure white bells. 25c. each.

Honeysuckles, upright, 2 varieties. 25c. each.

Hydrangea paniculata grandiflora, the showiest hardy shrub in cultivation, producing large panicles of pure white flowers. 35c. each.

Spirea Bilardi, pink flowers, 25c.

Spirea callosa alba, pure white flowers. 25c.

Spirea Reevesi, fl. pl., numerous umbels of double pure white flowers. 25c. each.

Spirea Thunbergi, a new Japanese species, white bloom, very dwarf. 25c. each.

Syringa Persica, the old Persian Lilac, 25c.

Syringa Persica alba, white bloom. 35c.

Weigelia amabilis alba, white flowers. 25c.

Weigelia Isoline, almost white flowers. 25c. each.

FLOWERING SHRUBS, LARGE PLANTS FROM OPEN GROUND.

A large assortment, embracing all the leading varieties. To parties desiring a large quantity for massing, we will sell very low when the selection of varieties is left with us. Price, $2.00 per dozen; $8.00 per 50; $12.00 per 100.

CAMELLIA JAPONICA.

We take pleasure in offering to our customers this year an unusually healthy and well-grown stock of Camellias. They have been carefully formed and trained to make bushy and handsome plants. Their price cannot be easily regulated by their height, for our aim is to encourage health and bushiness rather than height.

In beauty of foliage and flower this plant is too well known to require a description. We offer fifty distinct varieties.

Camellia Japonica. Double white, 9 to 12 inches, without buds, $1.00 each; $9.00 per dozen.

— — 12 to 18 inches, without buds, $1.25 each; $12.00 per dozen.

— — 12 to 18 inches, with buds, $1.75 each; $18.00 per dozen.

Larger plants with buds, $2.00 to $5.00 each.

Colored varieties, our choice, 9 to 12 inches, without buds, 75 cents each; $7.50 per dozen.

— — Our choice, 12 to 18 inches, without buds, $1.00 each; $9.00 per dozen.

— — Our choice, 12 to 18 inches, with buds, $1.25 each; $12.00 per dozen.

Larger plants, with buds, $2.00 to $5.00 each.

Extra sized plants, $10.00 to $25.00 each.

None of the above varieties can be sent by mail on account of their bulk.

EUONYMUS RADICANS.

A hardy evergreen creeper, attaching itself to trees, buildings, fences, etc., as the evergreen ivy does in England; has long been a desideratum in American gardens. This beautiful plant in some measure will take its place, and everybody should have a few plants. 25c. each.

PLANTS IN SPECIAL SELECTIONS.

These Selections can be sent only by express, at the expense of purchasers.

Many of our customers being unable to determine what plants are best suited for a continuous display of flowers and foliage during the Summer months, we submit the following, which we are satisfied will prove satisfactory, being our own selection, and of such plants as we grow in large quantities. A saving of 30 per cent. is made in ordering from these selections.

SELECTION A.—$25.00.—Containing 200 Plants.

12 Monthly Roses.
6 H. Perpetual Roses.
36 Verbenas.
6 Heliotropes.
6 Fuchsias.
6 Zonale Geraniums.
4 Gold and Silver-edged Geraniums.
4 Ivy-leaved Geraniums.
6 Chrysanthemums.
2 Abutilons.
6 Begonias.
6 Scented Geraniums.
2 Lemon Verbenas.
6 Scarlet Salvias.
2 Cupheas.
2 Double Feverfew.
6 Double Tuberoses.
12 Petunias.
6 Dahlias.
6 Violets.
4 Double Geraniums.
6 Lantanas.
6 Coleus and Achyranthes.
6 Lobelias.
6 Ageratum.
6 Centaureas.
6 Bouvardias.
4 Monthly Carnations.
2 Pinks.
12 Gladiolus.

SELECTION B.—$15.00.—Containing 100 Plants.

8 Monthly Roses.
4 Perpetual Roses.
24 Verbenas.
4 Heliotropes.
4 Fuchsias.
6 Zonale Geraniums.
3 Variegated Geraniums.
3 Scented Geraniums.
2 Lemon Verbenas.
4 Scarlet Salvias.
2 Double Feverfew.
4 Double Tuberoses.
6 Gladiolus.
4 Double Geraniums.
6 Petunias.
3 Dahlias.
4 Coleus and Achyranthes.
4 Lobelias.
2 Ageratum.
2 Chrysanthemums.
2 Phloxes.

SELECTION C.—$10.00.—Containing 80 Plants.

1 Ageratum.
3 Alternanthera.
1 Ampelopsis Veitchii.
2 Bouvardias.
2 Cannas.
2 Carnations.
2 Centaureas.
1 Chrysanthemum.
6 Coleus.
1 Cuphea hyssopophylla.
1 Cuphea platycentra.
1 Dianthus.
2 Double Feverfews.
2 Double Tuberoses.
4 Fuchsia.
10 Geraniums.
6 Pansies.
1 Hardy Phlox.
4 Heliotropes.
2 Lobelias.
2 Othona Crassifolia.
2 Perestrophe Angustifolia.
10 Roses, everblooming var.
2 Scarlet Sage.
10 Verbenas.

To which we will add, without extra charge, a plant of one of the New Double Ivy-leaved Geraniums.

SELECTION D.—$5.00.—Containing 35 Plants.

2 Alternanthera.
1 Bouvardia.
1 Canna.
1 Carnation.
1 Centaurea.
2 Coleus.
1 Cuphea platycentra.
1 Dianthus.
1 Double Feverfew.
2 Fuchsia.
5 Geraniums.
2 Heliotropes.
2 Pansies.
1 Lobelia.
1 Othona Crassifolia.
1 Perestrophe Angustifolia var.
5 Roses, everblooming varieties.
1 Scarlet Sage.
6 Verbenas.

To which we will add, without extra charge, a plant of one of the beautiful New Double Ivy-leaved Geraniums.

CHOICE RUNNING VINES.

Small Plants per mail, postage free.

Akebia quinata.—From Japan. Each.....$0.50
Ampelopsis.—*(American Ivy, etc.).* Each.....25
Ampelopsis Veitchii.—Small neat foliage. Each.....25
Clematis.—12 Varieties.....Each 50 cents; for the set of twelve, 4.50
Cocculus japonicus.—Attractive twiners, resembling Menispermum. with yellowish flowers in June, followed by very ornamental scarlet berries. Each.....50
Dolichos japonicus.—A handsome and very rapid growing twiner, resembling the Wistaria, with very long racemes of flowers, in which are mixed the purple and white colors. Each.....1.50
Honeysuckles.—An elegant assortment. Each.....25
Jessamine.—Common, white, fragrant. Each.....35
— common yellow, very early. Each.....35
Tecoma grandiflora.—Large orange flowers. Each.....50
Tecoma Thunbergi.—New, orange flowers. Each.....50

WISTARIA.

This is one of the most popular of our hardy vines, growing rapidly, climbing to a height of fifty feet or more, and when in bloom is truly magnificent. The flowers are borne in early Spring, in long, drooping racemes, resembling in size and shape a bunch of grapes.

Wistaria frutescens *(American Wistaria)*, flowers pale blue; of denser growth than the Chinese variety.
— — **alba,** pure white. 50c. each.
— **Sinensis** *(Chinese Wistaria)*, bluish purple; growing more rapidly than the American Wistaria, very often twenty feet in a season; flowering sometimes twice a year. 50c. each.
— — **alba** *(White Flowering Wistaria)*, flowers borne in long drooping clusters, as in the other varieties; pure white in color, making a most striking and elegant contrast. 75c. each.
— — **fl. pl.** *(Double Flowering Wistaria)*, a valuable addition to our ornamental vines—similar to the older variety of Chinese Wistaria, with large clusters of double flowers. Strong grafted plants, $2.00 each.

HARDY EVERGREENS.

Strong, healthy, well-ripened plants of the most popular evergreens will be sent per mail, postage free, on receipt of annexed prices. They will be from six to twelve inches in height, and can be furnished after the 15th of March. Assortments, six for $1.25; twelve for $2.00.

JAPANESE PLANTS

It is with much gratification that we offer this rich collection of **Japanese Plants,** and are justified in promising others equally interesting and now in course of propagation. Our facilities for making an exhaustive draft upon the Flora of Japan have been unusually good, through the efforts of **Mr. Thomas Hogg,** whose love for plants is only equaled by his appreciation of their commercial value.

JAPANESE MAPLES.

These Maples are among the most charming of the introductions from Japan. They are of dwarf habit, rarely growing over fifteen or twenty feet high, and have proved perfectly hardy during ten of our severest Winters. We offer twelve distinct varieties; some with highly colored leaves, from a pure white variegation to pink and dark purple, and others with leaves as deeply cut as lace. A mass of them on a lawn is a thing to be remembered, the color of the leaves being constant under the hottest sun. The whole class is destined to a popularity unequaled by any other hardy trees or shrubs. The plants we have for sale are one and a half to two feet high, and in pots. Prices from $2.00 to $3.00 each.

Acer *(Maple)* **polymorphum,** the young shoots and foliage have a bright crimson tint, changing to a pleasing green in the Summer and very varying tints in the Autumn. $1.00 each.

— — **atropurpureum,** a very showy variety with deeply lobed leaves of a claret tint, and keeping its dark color far into the Autumn. $2.00 each.

— — **dissectum atropurpureum,** this variety is sometimes called *Ornatum*, and has a most graceful drooping habit; its red branchlets support very deeply and finely cut leaves of a beautiful rose-color when young, changing to a deep, dark, and constant purple. $3.00 each.

— — **dissectum foliis roseo pictus,** a very elegant variety, most delicately formed, with very deeply and finely cut leaves, like lace, of a bright rose and pink variegation. $2.50 each.

— — **reticulatum,** a very distinct and beautiful variety, with deeply lobed leaves of a white ground, covered with a close net-work of translucent yellowish green. $2.00 each.

— — **roseo marginatum,** very distinct in its character, with leaves tipped and edged with rosy pink. $2.00 each.

— — **sanguineum,** a most showy variety of standard excellence, not easily surpassed; its large, deeply lobed leaves have a uniform superb blood-red color, which produces a most beautiful effect. $2.00 each.

— — **Japonicum,** a distinct type from the *polymorphum*, and very rare; it is royal in its character, with large and beautifully scolloped leaves. $3.00 each.

DECIDUOUS TREES AND SHRUBS.

Daphne Genkwa *(or Fortunei)*, a beautiful, slender, upright growing shrub, with numerous long downy twigs, which in early Spring, before the leaves appear, are thickly garnished with violet colored tubular flowers, rather more than one inch long; it seldom attains a height of more than 3 feet, has fine, delicate foliage, and may be classed among the best of our flowering shrubs. $1.00.

Elæagnus longipes *(Japan Oleaster)*, one of the finest and most remarkable of hardy shrubs lately introduced; it is of middle size, with spreading branches, and leaves bright green above and silvery white beneath, studded with brown scales; the small yellowish flowers are produced in great profusion on long stalks, and are succeeded by berries of an oblong shape and deep transparent orange brown color, speckled with brownish scales. 75c. each.

Magnolia Halleana, a hardy, low growing Magnolia, bearing pure white, nearly double, flowers; very sweet and early; resembling in form a hybrid Clematis. $2.00 each.

Malus Halleana *(Japan Double Red Apple)*, a beautiful variety, with flowers of a lively deep rose color at the base, and a lighter shade at the edges. $1.00 each.

Quercus Daimio, an exceedingly rare and handsome Oak, with broad oval leaves of a thick, leathery texture; a great acquisition. $3.00 each.

Retinospora *(Japan Cypress)* **Filifera.**— A beautiful tree of very elegant appearance, with bright green foliage. It is pyramidal in outline, and peculiarly graceful on account of the ends of its shoots drooping in long filaments, some of which are tesselated. $1.00.

—**obtusa aurea variegatanana.** A very attractive and singular variety, forming a dwarf, cushion-shaped little bush, seldom more than one or two feet high, but spreading out in a horizontal direction all around to more than double that distance, and becoming a large dense flat tuft of glossy deep green spray when old. One of the most interesting Conifers. $1.00.

—**squarrosa nova.**—Feathery, compact, bluish green. 75 cents.

Spirea crispifolia, a beautiful, compact little bush, with small, dark green, curled leaves, and bearing numerous delicate pink flowers through the season. $1.00 each.

WHITE WATER LILY (Nymphæa Odorata).

If lovers of flowers only knew how easily the fragrant White Water Lily can be grown, we are quite sure these Lilies would be cultivated far more than many other less fragrant and beautiful flowers that take more time and trouble to cultivate. These Lilies, once planted in a pond or small stream (they bloom more profusely in shallow water) that does not entirely dry up in Summer, will need no further care, and will increase from year to year. People that have not the facilities for growing them in ponds and streams can have their Lily gardens in tubs and aquariums, where they can admire and gather the most fragrant and beautiful flower that grows on land or water. 40 cents each; $4.00 per dozen.

SELECT LIST

OF

VEGETABLE SEEDS.

Embracing all the leading varieties contained in our Amateurs' Guide to the Flower and Kitchen Garden, with Directions for their culture.

IN submitting our **Catalogue of Vegetable Seeds** to the public, it is only necessary to state that our stock has been selected with great care from the best sources. Our seeds are *new* and of the best quality, having been raised by responsible growers, in whom we have perfect confidence. We invariably test our seed, that nothing may be sent out but what we *know* will vegetate, and prove true to the name and description. Aware of the importance to the Farmer and Gardener of having such seeds as can be relied upon, great care is used to supply every article true to name and of good quality, but nothing is warranted. A large proportion of our seeds are grown by special contract with the most experienced growers both in this country and in Europe; and we feel no hesitation in stating that no better seeds than those offered by us can be procured in this or any other country. Our rapidly increasing trade and satisfactory testimonials, received from every section of the country, are sufficient proof of their superior excellence.

In consequence of the frequent fluctuations in the market, we cannot be bound by these prices for any length of time. Our customers may rest assured, however, that their orders shall at all times be executed upon as favorable terms as the state of the market will allow.

TO PREVENT MISUNDERSTANDING, WE HAVE ANNEXED A LIST OF PRICES BY THE **Packet, Ounce, One-quarter Pound, Pound, Quart, Peck and Bushel.** PURCHASERS ORDERING A HALF POUND OR HALF BUSHEL WILL BE SUPPLIED AT POUND OR BUSHEL RATES; QUANTITIES LESS THAN ONE-HALF POUND OR ONE-HALF BUSHEL, AT ONE-QUARTER POUND OR ONE PECK RATES; FOR LESS THAN ONE-QUARTER POUND OR PECK, OUNCE AND QUART RATES WILL BE CHARGED; FOR LESS THAN ONE OUNCE, AT PACKET RATES. (See Remarks to Purchasers, Page 3.)

IMPORTANT TO PURCHASERS.

We have adopted a somewhat different plan in quoting prices for Vegetable Seeds this season. In our former Catalogues the prices have included the postage, but as many of our customers prefer to have their goods sent by express and many others make their purchases at our store, we have thought it best to quote prices delivered in our store, or to the different express or transportation companies in this city.

We will continue to supply our customers by mail as usual when desired, but in all such cases postage must be added at the rate of 16 cents per pound. This change applies only to Vegetable Seeds when ordered in quantities of a quarter of a pound and upwards. We shall continue to prepay postage without extra charge, when ordered in small quantities, by the ounce and packet.

In cases where the postage is not allowed we shall be obliged to deduct from the order a sufficient quantity to cover the deficiency, to avoid the necessity of opening accounts for small balances.

Those who desire to see a fuller list of Vegetable Seeds before making their selections, with more explicit directions for culture, are referred to our **Guide to the Flower and Kitchen Garden,** 200 pages, finely illustrated. *Price 35 cents.*

ARTICHOKE.

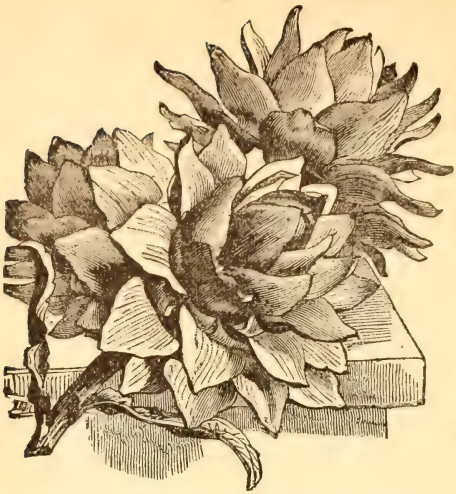
[*Cynara Scolymus,* LINNÆUS. *Artichaut,* FRENCH. *Artischoke,* GERMAN.]

CULTURE.—The Artichoke may be propagated by seed or offset suckers, separated in the Spring. When raised from seed let them be sown early in the Spring, say at the time of the flowering of the peach, in drills a foot apart, and four inches apart in the drills. The next Spring transplant to permanent beds in hills, three feet apart each way, with three plants to a hill. It requires a deep, rich loam, abounding in moisture, and may be protected in Winter by covering with litter or earth.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large Globe.—Produces large globular heads of a dusky purple color, with thick, succulent scales; it is the best for general culture. Per pkt., 10 cents; oz., 35; ¼ lb., $1.25.

Jerusalem Artichoke.—Much esteemed for pickling, also makes excellent food for stock. Three lb. packages, by mail, $1.00; per peck, $1.25; bush., $3.00; bbl., $8.00.



Artichoke Green Globe. *Page* 69.

Conover's Colossal Asparagus. *Page* 70.

ASPARAGUS.

[*Asparagus officinalis*, LIN. *Asperge*, FR. *Spargel*, GER.]

CULTURE.—Soak the seed twenty-four hours in tepid water, and sow early in Spring in rows a foot apart, and keep clean by frequent weeding and hoeing. At one or two years old transplant to permanent beds. The ground should be trenched, or dug over, two feet deep, burying plenty of manure,—decayed leaves, leaf mold, rock-weed or kelp, when it can be had,—and mixing it thoroughly with the soil. Lay out the beds four and a half feet wide, and draw three drills, fourteen inches apart and six inches deep, lengthwise of each bed; place the roots in them, a foot apart, in their *natural position*, and cover four inches deep. A rich, sandy loam is most suitable. Every Autumn, after clearing off the stalks, spread on a covering of manure, to be forked in, with a good dressing of fine salt very early in the Spring. A new bed should not be cut over before the third year.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large Green Purple Top, or Giant.—An old and well-known variety. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Conover's Colossal.—A new and improved variety of very large size, from two and a half to four and a half inches in circumference; tender, productive and of good quality. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Conover's Colossal Roots.—One year old, $0.75 per 100; $6.00 per 1000; by mail, $1.00 per 100. Plant 2½ by 3 feet.

Conover's Colossal Roots.—Two years old, $1.25 per 100; $10.00 per 1000.

In consequence of the great bulk of the two years' old Asparagus we can only send one year old roots by mail.

BEANS (English).

[*Faba vulgaris*, LIN. *Feve de marais*, FR. *Gartenbohne*, GER.]

15 Cts. per Pt., 25 Cts. Qt., Extra, for Postage, on Beans of all kinds, when ordered by Mail.

CULTURE.—Plant as early in the Spring as the ground can be worked, from two to four inches apart, in drills from twenty-four to thirty inches apart. As soon as the plants are in full blossom, and the lower pods begin to set, pinch off the tops; this will insure the filling of the pods and hasten the maturity of the seeds. A strong, heavy soil, with a considerable portion of clay, is indispensable for a good crop of this class of Beans.

Early Mazagan.—This variety is suitable both for field and garden culture. Per qt., 30 cents; peck, $1.75; bush., $6.00.

Broad Windsor.—Particularly valuable from its habit of ripening unequally, some pods being quite full, while others are in various stages of filling. Per qt., 40 cents; peck, $2.50; bush., $8.00.

Long-pod Sword.—This sort is also adapted either for the garden or the field. Per qt., 40 cents; peck, $2.00; bush., $7.50.

BEANS (Dwarf, Snap, or Bush).

[*Phaseolus vulgaris*, LIN. *Haricot*, FR. *Bohne*, GER. *Frijol enano*, SP.]

Under the name of Dwarfs are classified all the low-growing sorts called in different Catalogues *Bush*, *Band*, *Snap*, *String*, or *French* Beans. The following are considered the most desirable varieties.

Newington Wonder.—A very productive variety pods very crisp and tender; a valuable variety for forcing. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Refugee, or Thousand to One.—Hardy, yields abundantly, and of fine quality; as a String Bean, or for pickling, it is considered the best. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

English Bean. *Page* 70.

Brussels Sprouts. *Page* 75.

BEANS (Dwarf, Snap, or Bush)—*Cont'd.*

Early Feejee.—Without exception the earliest and most hardy variety grown. It grows to a good size, is very productive and of excellent quality. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Early Valentine.—Early and productive; pods tender and succulent. Per pkt., 10 cents; qt., 30; peck, $1.75; bush., $6.00.

Early Mohawk.—One of the hardiest and most productive of the dwarf varieties; seeds variegated with drab, purple and brown. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Early China.—Very early and of fine quality; seeds white, colored and spotted about the eye with purplish red. Per pkt., 10 cents; qt., 30; peck, $1.25; bush., $4.50.

Early Round Yellow Six Weeks.—Very hardy, early and prolific; seeds orange yellow, with a narrow reddish brown line encircling the eye. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Early Long Yellow Six Weeks.—Hardy and prolific; seeds pale yellowish drab, with an olive-green line about the eye. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Large White Kidney, or Royal Dwarf.—As a Shell Bean, green or ripe, this is one of the best of the Dwarfs; the seeds are of large size, pure white, tender and delicate. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Turtle Soup Black.—The young pods of this variety are tender and of excellent quality, and are produced in great abundance; the ripe seed are most used in the preparation of Turtle Soup. Per pkt., 10 cents; qt., 30; peck, $1.25; bush., $4.50.

White Seeded Valentine.—A new variety, produced from the Red Speckled Valentine Snap Short, and of equal productiveness and good quality. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Early Rachel.—One of the earliest, hardy and productive; seeds brown, white at one end, pods crisp and tender when young. Per pkt., 10 cents; qt., 30; peck, $1.50; bush., $5.00.

Black Wax.—A variety of great merit, highly recommended as a String Bean; pods transparent; waxy yellow, thick and very tender. Per pkt., 10 cents; qt., 35; peck, $2.00; bush., $7.00.

Dwarf White Wax.—A variety, similar in every respect to the "Black Wax," except in color, which is pure white. Per pkt., 10 cents; qt., 35; peck, $2.00; bush., $7.00.

Crystal White Wax.—A new and distinct white seeded variety, with waxy transparent pods. It is stringless, succulent, crisp, tender, and of the richest flavor. The pods, though quick to develop, are remarkably slow to harden, and therefore retain their delicious tenderness on the bush longer than any other sort. Per pkt., 15 cents; qt., 50; peck, $3.50; bush., $12.00.

Golden Wax Dwarf.—A distinct variety, earlier than the Dwarf Black Wax; the pods are large, long and brittle, and entirely stringless. As a Snap Bean it excels all other sorts in tenderness and richness of flavor, and has the further merit of being one of the best shell Beans grown for winter use. Per pkt., 10 cents; qt., 35; peck, $2.00; bush., $7.50.

White Marrow.—An excellent variety for cooking when ripe, for which it is extensively grown. Per pkt., 10 cents; qt., 25; peck, $1.50; bush., $5.00.

Red Cranberry—A stringless variety of great merit; very hardy and productive. Pods brittle, tender and fine flavored. Per pkt., 10 cents; qt., 30; peck, $1.75; bush., $5.00.

Red Kidney, or Chilian.—A strong growing and very productive variety, extensively grown for the Southern market; not desirable as a Snap Short, but shelled and dried, makes an excellent variety for Soup. Per pkt., 10 cents; qt., 25; peck, $1.50; bush., $5.00.

All of the above, as well as the following varieties, are very sensitive to frost and cold, and should not be planted before the middle of Spring, when the ground has become light and warm. Hoe often, but only when dry, as earth scattered on the leaves when wet with dew or rain will cause them to rust, and greatly injure the crop.

BEANS (Pole or Running).

[*Haricots a Rames*, FR. *Stangen Bohne*, GER. *Frijol vastago*, SP.]

CULTURE.—Plant in hills 3½ feet apart each way, allowing four plants to a hill.

Early Dutch Case Knife.—This is one of the earliest and most prolific sorts, having long flat pods with white seeds, which are good green or dry. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

Horticultural Cranberry, or Wren's Egg.—Pods striped with red, seeds oval, of medium size. Used both in the pod and shelled; very productive, and good dry. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

Indian Chief, or Algerian Wax.—Remarkable for its fine, tender, succulent, and richly colored pods, which are produced in greater abundance, and continue fit for use longer than any other variety. Per pkt., 10 cents; qt., 50; peck, $3.00; bush., $10.00.

Giant Wax.—Pods six to nine inches long, thick and fleshy, of a pale yellow color, and waxy appearance; the seeds are tender, and may be used as snap Bean. Per pkt., 15 cents; qt., 50; peck, $3.50; bush., $12.00.

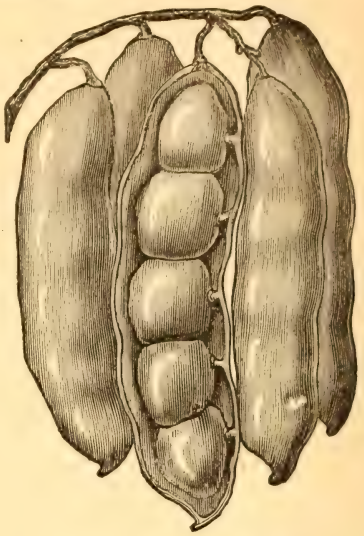
Mont D'Or, or Golden Butter.—A splendid variety of Pole Bean from France, with golden yellow pods—the most prolific of all, and of excellent quality. Per pkt., 10 cents; qt., 50; peck, $3.50; bush., $12.00.

Scarlet Runner.—The most productive, perhaps of all the Kidney Beans. It is cultivated for the beauty of its flowers, as well as for the economical uses to which its pods and seeds can be applied. Per pkt., 10 cents,; qt., 50; peck, $2.50; bush., $9.00.

White Runner, or Dutch.—Seeds large, flat, and kidney-shaped, the whole plant differing but a little from the last named, excepting in seeds and flowers, which are white. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

Lima, Extra Early.—A new and distinct variety fully *ten days earlier than any other*. Recommended for its earliness as a market sort; very productive and extra fine quality. Per pkt., 20; pint, 75.

Lima, Small, Carolina, Sewee, Sieva, or Saba.—Resembles the preceding, but is inferior to it in rich, buttery flavor; but it is earlier, more hardy, and surer to produce a good crop. Per pkt., 10 cents; qt., 50; peck, $3.00; bush., $10.00.



Dreer's Improved Lima Beans.

Lima, Dreer's Improved.—A marked improvement upon the old variety, more productive and of better quality. Per pkt., 10 cents; qt., 60; peck, $3.75; bush., $12.00.

Large Lima.—This bean, with the "Sieva," is much esteemed on our tables. It has broad, rough, rather full pods, with large white seeds, and bears profusely until killed by frost. When planted too early, the seeds are apt to rot in the ground. They thrive best in a rich, warm soil. Per pkt., 10 cents; qt., 50; peck, $3.00; bush., $10.00.

BEET.

[*Beta vulgaris*, LIN. *Betterave*, FR. *Runkleruebe*, GER. *Remolacha*, SP.]

CULTURE.—Select for this crop deep and rich, yet rather light and loamy soil which has been well manured during the previous season; and, if this can not be done, the ground should be trenched two feet deep, and ridged up in Autumn. If it is deemed necessary to apply manure, a sprinkling of guano after the plants are up would be preferable to farm-yard manure, which often causes the roots to grow rough and forked, while straight, moderate sized roots are most desirable.

For an early supply, sow as soon as the ground can be worked in Spring, and the main crop the first week in May; but for Winter use sow as late as June. Sow in drills about one inch deep, and from fifteen to eighteen inches apart, covering with friable soil, and, if possible, select a dry day when the ground is in good working order for putting in the seed. By soaking the seed in tepid water for 24 hours it will vegetate much sooner. One ounce will sow a drill of one hundred feet in length—five to six pounds are required for an acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

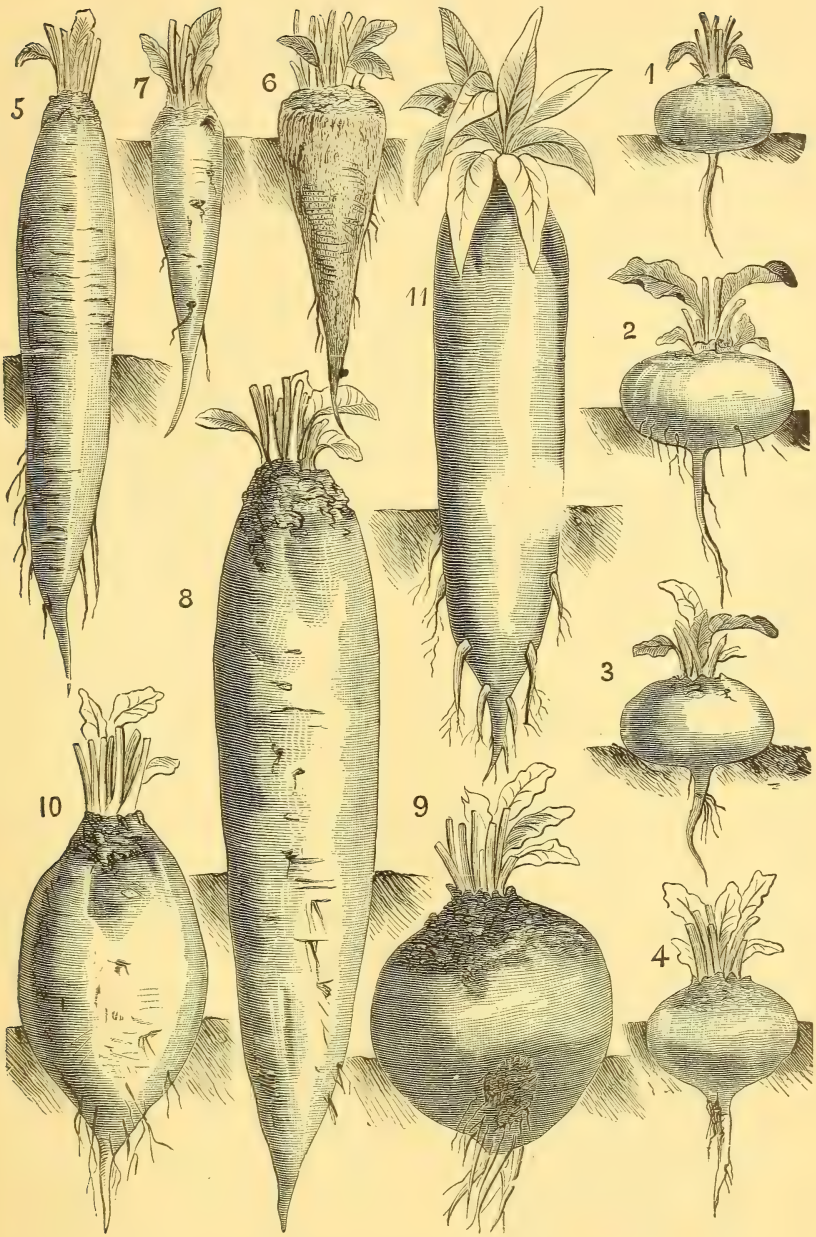
Dark Red Egyptian.—A new, early and superior variety, quite distinct, very deep red, tender and delicious; in form like the Flat Dutch Turnip; ten days earlier than any other; a most valuable market variety. Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.50.

Early Flat Bassano.—Roots flat, turnip-shaped; flesh white, circled with rose color. A few days later than the Egyptian; grows to a good size on light soil, very tender and juicy. A fine market sort, valued for its early maturity. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 65.

Early Blood Turnip.—The standard early sort. Blood-red, turnip-shaped, with small top, tap-root; very tender, and good for early use and late keeping. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Dewing's Improved Blood Turnip.—Of fine form and flavor, deep blood red, roots of fine form; a very desirable market variety. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Early Yellow Turnip, or Orange.—Is more oval-shaped than the Blood Turnip; flesh yellow, very tender and juicy. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.



GARDEN AND FIELD BEETS.

1.—Early Dark Red Egyptian.
2.—Bassano.
3.—Blood Turnip.
4.—Dewing's Blood Turnip.
5.—Long Smooth Dark Blood.
6.—Rough Skinned.
7.—Deep Red Castelnandary.
8.—Mammoth Long Red Mangel Wurzel.
9.—Yellow Globe Mangel Wurzel.
10.—Olive Shaped Mangel Wurzel.
11.—Lane's Improved Sugar.

BEET.—*Cont'd.*

Pine-Apple.—An English variety, foliage small, but very dark red; roots dark crimson. Per pkt., 10 cents; oz., 15; ¼ lb., 40; lb., $1.25.

Half-Long Blood.—A favorite variety; smooth skin and very dark flesh; keeps well. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Lane's Improved Imperial Sugar.—The best Beet raised for feeding cows or young stock. From thirty to forty tons raised to the acre at a cost of from five to eight cents per bushel. The cheapness with which they can be raised, the large amount of healthy, nutritious food raised to the acre, and its great value as food for cattle, sheep and swine, make this the most profitable root to raise. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Swiss Chard, or Silver.—This variety of Beet, sometimes called "Sea Kale Beet," is cultivated for its leaf-stalks, which are served up much like Asparagus, and for its leaves, cooked as Spinach. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Smooth Long Dark Blood.—This is a long, smooth Beet, growing to good size, half out of the ground, with few or no side roots; color, dark blood red; top small, dark red and upright growth; keeps well. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb. 60.

French Sugar.—This grows to large size, much above ground; roots, medium length, white; leaves green; considerably grown in this country for feeding. Cultivated extensively for manufacture of sugar. Per pkt., 5 cents; oz., 10; ¼ lb., 15; lb., 40.

BEET (Mangel Wurzel).

Extensively grown in all parts of the country for feeding stock. Sow in April or May.

CULTURE.—The seeds should be sown about two inches apart in drills, two feet from row to row, and the plants afterwards thinned out to one foot apart. From four to six pounds are required for an acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Golden Tankard.—One of the most nutritious varieties in cultivation; flesh deep yellow, tankard shape. A splendid cropper; valuable for dairy farming. Per oz., 10 cents; ¼ lb., 25; lb., 80.

Prize Yellow Globe.—An extraordinary cropper, of beautiful shape, neat top, fine, clear skin, single tap root, nutritive qualities, suitable for all soils. Per oz., 10 cents; ¼ lb., 25; lb., 80.

Long Red Mangel Wurzel.—A large, long variety. It stands a good deal out of the ground. Color, light red; flesh, white and rose-colored; leaves, green, veined with red. Per pkt., 5 cents; oz., 10; ¼ lb. 15; lb., 40.

Mammoth Long Red.—A new variety, producing roots of mammoth size, very regular and with a small top. Per oz., 10 cents; ¼ lb., 25; lb., 75.

Yellow Globe.—A large, round, orange-colored variety, excellent quality, which keeps better than the long red, and produces better crops on shallow soil. Per pkt., 5 cents; oz., 10; ¼ lb., 15; lb., 40.

Red Globe.—Differing from the Yellow Globe only in color. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 50.

Warden Orange Globe.—A yellow Globe, unequalled for fineness of quality; has obtained many prizes at agricultural exhibitions in England; twelve well-shaped roots weighed 192 pounds. Per oz., 10 cents; ¼ lb., 20; lb., 60.

Obendorf Red and Obendorf Yellow.—Two new German varieties, of fine shape, which grow to a large size, and are very productive. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Yellow Ovoid.—Bulb ovoid, intermediate between the Long and Globe varieties; flesh solid, usually white, zoned with yellow; hardy, vigorous and productive; very nutritious; Per oz., 10; ¼ lb. 25; lb. 75.

Kinver Yellow Globe.—A new and very productive variety; one of the best. Per oz., 10 cents; ¼ lb., 25; lb., 75.

BORECOLE, or KALE.

[*Brassica oleracea acephalo*, LIN. *Chou-rest.* FR. *Gruener Kohl*, GER. *Breton*, SP.]

CULTURE.—To secure heavy crops of this hardy, useful Winter vegetable, a deep, rich soil is essential, and the ground should be trenched two feet deep and liberally manured. Sow about the middle of April, in well-prepared soil, covering the seeds thinly and evenly. Half an ounce will sow a bed of twenty square feet. Plant out in June, and cultivate as recommended for Cabbage.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Green Curled Scotch Borecole, or Kale.

Improved Siberian.—A new and very hardy variety, much in favor with the market gardeners around New-York. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Dwarf Purple or Brown Kale.—A beautiful curled variety, with reddish tinted leaves. A favorite with market gardeners, and frequently preferred for cooking. Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.25.

Green Curled Scotch.—It is very hardy, and, like the Savoys, is improved by a moderate frost. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Improved Garnishing.—Very ornamental as a border plant, as well as useful for culinary purposes. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Dwarf Curled Kale, or German Greens.—Dwarf; leaves yellowish green, very finely fringed. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 80.

Cottager's Kale.—A valuable variety, of excellent flavor, and an immense cropper; grows about a foot in height; leaves rich green, curled and feathered to the ground. Pkt., 5 cents; oz., 20; ¼ lb., 50; lb., $1.50.

BRUSSELS SPROUTS.

[*Brassica oleracea bullata*, LIN. *Chou de Bruxelles*, FR. *Gruener Sprossen*, GER. *Breton de Bruselas*, SP.]

This plant rises two or three feet high, and produces from the sides of the stalks numerous little sprouts, resembling Cabbages, one or two inches in diameter. The leaves, which look like the Savoy, should be broken down in the Fall, to give the little Cabbages room to grow. They are very tender and sweet after early frosts. Sow in seed-beds, in May, transplant and cultivate like the Cabbage. Use the hoe often, and keep clean. They are used for Fall and Winter greens, and, being quite hardy, should be sown and treated like Scotch Kale. One ounce will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Brussels Sprouts.—French. Per pkt., 10 cents; oz., 20; ¼ lb., 60; lb., $2.00.

Improved Dwarf.—A new variety of excellent quality. Per pkt., 10 cents; oz., 20; ¼ lb., 60; lb., $2.00.

BROCCOLI.

[*Brassica oleracea botrytis*, LIN. *Chou brocoli*, FR. *Brocoli, Spargel-Kohl*, GER.]

CULTURE.—The seed should be sown in hotbeds, for early crops, in April; for main crops, in May. When the plants are sufficiently strong, and before they are drawn by growing too closely together, transplant them into nursery beds or lines, allowing about four inches between the plants.

Plant as soon as the plants are sufficiently established, in rows from two feet to two feet six inches apart, leaving about the same distance between the plants. Keep them well supplied with water until they get fairly established.

One ounce of seed will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Purple Cape.—This is the most valuable kind for the North, producing large, close heads, of a brownish purple, and has an excellent flavor. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50.

Walcherean.—One of the best, with very large, firm heads. Per pkt., 10 cents; oz., 60; ¼ lb., $2.00.

White Cape.—A later sort, and should be sown at the North very early in the Spring. The heads, when perfected, are large, white and compact, so nearly resembling the Cauliflower that it is sometimes called the "Cauliflower Broccoli." Per pkt., 10 cents; oz., 75; ¼ lb., $2.00.

CABBAGE.

[*Brassica oleracea capitata*, LIN. *Chou pomme, ou cabus*, FR. *Kopfkohl*, GER.

CULTURE.—For Cabbages, the ground must be highly manured, deeply dug or plowed, and thoroughly worked, to insure good, full-sized heads. A heavy, moist and fresh loam is the most suitable. The early sorts are sometimes sown early in Autumn, protected in cold frames through the Winter, and transplanted early in Spring; but more generally at the North they are sown very early in the Spring in hotbeds, or later in the open ground. In the mild climate of the Southern States, where they will stand the Winter, they are planted out in the Fall. Plant out eighteen inches by two feet apart.

One ounce of seed will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Wyman.—One of the best and most profitable early market Cabbages grown; it heads early in the season, is of large size and first quality, and brings the highest price of any early Cabbage brought into the Boston market. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50; lb., $5.00.

Early Wakefield (True Jersey variety).—This is a favorite variety with the market gardeners in the vicinity of New-York; it is very early, of medium size, good quality, and sure to head. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50; lb., $4.50.

Early York.—This is one of the earliest and most valuable of the Spring and Summer varieties; heads small, rather heart-shaped, firm, very tender and excellent flavor. Per pkt., 5 cents; oz., 20; ¼ lb., 50; lb., $1.50.

Early Sugar Loaf.—An excellent early variety for the Northern States; it has conical heads of medium size, with spoon-shaped leaves; color bluish green. Per pkt., 5 cents; oz., 20; ¼ lb., 60; lb., $1.75.

Early Summer, Henderson's.—A new and very early sort, coming in just after the Wakefield; large firm heads. Per pkt., 10 cents; oz., 60; ¼ lb., $2.00; lb., $6.00.

Early Rainham.—A new English variety, said to be quite distinct from any other sort; in habit it is small and very compact, and has been proved an invaluable acquisition to market gardeners, by whom it is largely cultivated—it being two weeks earlier than the *Battersea* or any other imported variety. Recommended for the South. Per pkt., 10 cents; oz., 50; ¼ lb., $1.25 lb., $4.00.

Early Bleichfield Giant.—A new German variety; early, short stemmed; heads large and very solid. Per pkt., 10 cents; oz., 75 cents; ¼ lb., $2.25.

Large Early Schweinfurt.—A German variety recently introduced, heads large, compact and of fine quality, adapted chiefly for Summer and Fall use; it is the largest early variety in cultivation. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Early Drumhead or Battersea.—This is a second early variety, round, flat-headed, of excellent quality, and not liable to crack. Per pkt., 10 cents; oz., 20; ¼ lb., 75; lb., $2.50.

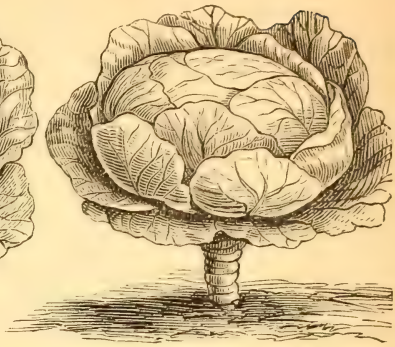
Early Flat Dutch.—A valuable early variety largely grown by the New-York market gardeners; head of good size; solid and of good flavor. Per pkt., 10 cents; oz., 50; ¼ lb., $1.25; lb., $4.00.

Fottler's Improved Brunswick.—This is, without exception, the best Early Drumhead variety in the market; produces a good firm and solid head, often weighing from twenty to thirty pounds; the quality is excellent; good heads were raised last season in eighty-five days from planting the seed. Per pkt., 10 cents; oz., 40; ¼ lb., $1.50; lb., $4.50.

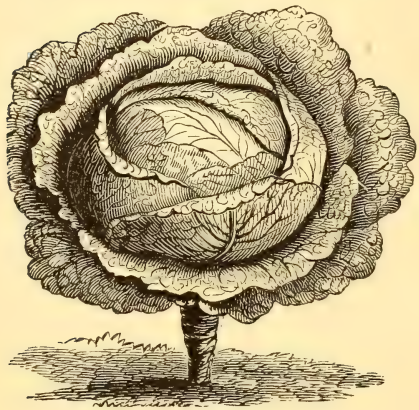
Winnigstadt.—One of the best in cultivation for general use; comes both early and late, remarkably solid and hard, even in Summer; keeps well in hot and cold weather. Per pkt., 10 cts.; oz., 25; ¼ lb., 75; lb., $2.50.

Silver Leaf Drumhead.—An excellent market variety, firm, solid head, of large size, good keeper, fine shipping variety. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

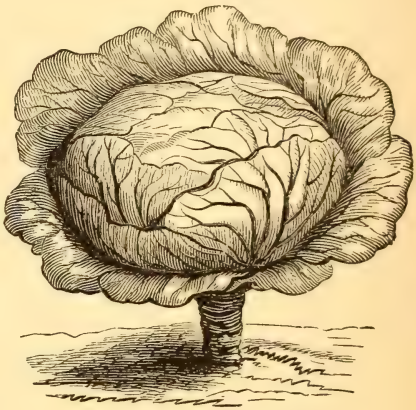
Marblehead Mammoth.
Page 77.



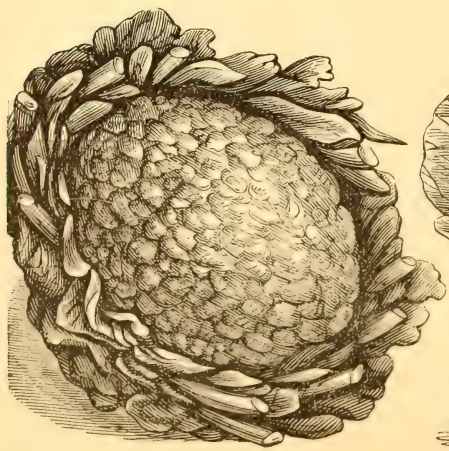
Stone Mason.
Page 77.



Improved American Savoy.
Page 77.



Premium Flat Dutch.
Page 77.



Half Early Paris Cauliflower.
Page 81.

Early Wyman.
Page 75.

CABBAGE.—*Cont'd.*

Large French Oxheart.—A most excellent variety, coming in use after the Early York; it grows low on the stump, and heads very close and firm, with but few loose leaves; color light green. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $3.00.

Large Early York.—Larger and two weeks later than the Early York; it endures the heat well; and is much esteemed at the South. Per pkt., 5 cents; oz., 20; ¼ lb., 50; lb., $1.50.

Stone Mason.—An improved variety of the Drumhead; head flat and solid, stem short and small, quality sweet, tender and rich; a profitable market variety. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Premium Flat Dutch.—As a variety for the Winter market it has no superior, and is more extensively grown than any other; head large, bluish green, round, solid, broad and flat on the top, and often tinted with reddish brown after being touched with frost; they open white and crisp, are tender and well-flavored; it is a Fall and Winter variety, and one of the very best to keep. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Filderkrout.—A German variety lately introduced into this country, which has proved to be one of the most desirable varieties; it heads up very solid, and is equally desirable for an early or a late variety; extensively used in Germany in the manufacture of "Krout." Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Marblehead Mammoth Drumhead.—This is, without doubt, the largest variety of the Cabbage family in the world; its size is indeed *Mammoth;* the weight is proportional to the size; succeeds admirably in the Southern States, and is now considered one of the best for that latitude. Per pkt., 10 cents; oz., 40; ¼ lb., $1.50; lb., $5.00.

Large Late Drumhead, American.—This is a large Fall and Winter variety, with broad, flat, or round heads; very compact, and of a lightish green. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Large Bergen or Great American.—One of the largest and latest sorts, of a light green color, with a short stem; the heads are large, firm, very tender, and of most excellent flavor. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Large Late Drumhead, English.—A large Winter variety, with broad, flat, or round heads; very compact. Per pkt., 5 cents; oz., 20; ¼ lb., 60; lb., $1.50.

Early Blood Red, Erfurt.—An early variety of the Red Dutch, equally good for pickling; about ten days earlier. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Red Dutch, or Pickling.—This is an esteemed sort for pickling. It grows about medium size, and forms very hard, oblong heads, round at the top, of a dark red or purple color. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

CABBAGE, SAVOY.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Drumhead Savoy.—Very tender and excellent for Winter. The Savoys approach nearer to the delicious richness of the Cauliflower than any of the other Cabbages; sow early. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Victoria Savoy.—Excellent every way. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Improved American.—A most excellent variety, with large, firm heads, of superior flavor. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Green Globe, or Curled Savoy.—Leaves wrinkled and dark green; very hardy and improved by frost. Per pkt., 5 cents; oz., 20; ¼ lb., 65; lb., $2.00.

CELERIAC, or TURNIP-ROOTED CELERY.

Sow early in the Spring, in light, rich soil, transplant in May into beds, water freely in dry weather. The roots, which resemble Turnips, will be ready in October. This vegetable is much esteemed in Europe, where its cultivation is well attended to. One-half ounce will sow a bed about four feet by six.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Celeriac, or Turnip-rooted Celery. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

CHERVIL.

[*Chærophyllum bullosum.*]

[*Scandix Cerifolium*, LIN. *Cerfeuil*, FR. *Gartenkerbel*, GER.]

An annual, the leaves of which have a pleasant aromatic taste, and while young and tender are employed for flavoring soups and salads.

CULTURE.—The ground should be dry, deep, well pulverized and richly manured. Sow in drills from nine to twelve inches apart, covering the seeds to the depth of half an inch with fine soil.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Chervil. Pkt., 10 cents; oz., 20; ¼ lb., 60; lb., $2.00.

CHERVIL, TURNIP-ROOTED.

The roots, which are eaten boiled, are of a gray color, and nearly of the size and form of the Early Horn Carrot. The flesh is white, farinaceous, and of a flavor intermediate between that of a Chestnut and a Potato.

CULTURE.—The seeds may be sown in drills in October or April, like the Carrot, preference being given to a rich, mellow soil. The roots will attain their full size by the following August or September, when they should be harvested. With a little care, to prevent sprouting, they may be kept until April.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Chervil (*Turnip-rooted*). Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

CELERY.

[*Apium graveolens*, LIN. *Celeri*, FR. *Sellerie*, GER.]

CULTURE.—For the first crop sow early in March in a gentle hotbed, and for the main crop early in April on a warm sheltered border, and water carefully. The plants must be transplanted as soon as they will bear handling; plant out at intervals until the middle of July. The ground for this crop should be dug into trenches two spades deep and one foot in width, banking up the soil on each side of the trench. In all cases let the distance between the trenches be such as will furnish sufficient soil for earthing up the plants. The bottom of the trench should be covered six inches deep with thoroughly decayed manure, and then covered with one or two inches of soil for planting. Some gardeners prefer planting upon the surface instead of in trenches. When this plan is adopted the soil should be very rich and deep, and the plants placed in rows three feet apart, and from six to eight inches apart in the rows, according to the size of the variety. Place the plants about eight inches apart in the rows, removing them with a good mass of roots, and keeping them well supplied with water. Earth up the plants as they advance in growth, but leave the hearts uncovered until the final soiling. This operation of earthing should be performed only when the plants are dry, and at the final occasion neatly slant and smooth the soil so as to throw off the wet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Giant White Solid.—This is most commonly grown; clear white, solid, crisp. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb.. $2.50.

Seymour's Superb White.—Esteemed as one of the best; it grows to a large size; stalks white, round, very crisp; perfectly solid. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Dwarf White French (*Self-blanching*).—A superb variety, of dwarf habit, very solid, crisp, and of fine flavor. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Incomparable Dwarf White.—A very dwarf late white, of stiff, close habit, solid, crisp and juicy. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Boston Market.—A favorite variety, remarkable for its tender, crisp and succulent stems, and its peculiarly mild flavor; it is grown almost exclusively by Boston market gardeners. Per pkt., 10 cents; oz., 50 cents.

Mammoth (Laing's) Red.—This is the largest grown, attaining, under good cultivation, the extraordinary weight of ten or twelve pounds, and is perfectly solid. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Sandringham White.—A new and excellent variety, which originated in the garden of the Prince of Wales, and is one of the best of the white varieties; it is larger than the Incomparable White, but is not of coarse growth, and is very solid, crisp and of fine flavor. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Incomparable Dwarf Crimson.—New, very dwarf habit; exceedingly solid, of fine dark crimson color. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Cole's Crystal White.—A dwarf variety, solid, crisp and fine flavored. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Crawford's Half Dwarf.—A new and extra fine variety, of fine flavor; a favorite among market gardeners. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50; lb., $5.00.

Sutton's Sulham Prize.—Without exception the best Pink Celery in cultivation; it is remarkably solid, crisp; fine walnut flavor. Per pkt., 15 cents; oz., 50.

Soup Celery.—Excellent for flavoring. 50 cents per lb.

CRESS, or PEPPERGRASS.

[*Lepidium sativum*, LIN. *Cresson*, FR. *Kresse*, GER. *Mastuerzo*, SP.]

Extensively used as a small salad. Sow early in Spring, very thickly, in shallow drills. The sowings should be repeated at short intervals, as it soon runs to seed. One ounce of seed will sow a bed of sixteen square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Broad Leaved, or Common.—Per pkt., 5 cents; oz., 10; ¼ lb., 15; lb.. 50.

Extra Curled.—Fine flavor. Per pkt., 5 cents; oz., 10; ¼ lb., 15; lb., 50.

Henderson's Australian.—Fine, piquant flavor. Per pkt., 5 cents; oz., 15; ¼ lb., 35; lb., $1.00.

CRESS (Water).

[*Sisymbrium nasturtium*, LIN. *Cresson de fontæne*, FR. *Brunnenkresse*, GER. *Berro*, SP.]

CULTURE.—The plant is cultivated by sowing the seeds by the side of running water, near springs which are not severely frozen in Winter. Transplanting, however, is always surer than sowing, and is, therefore, preferred. This ordinarily may be done from March till August. The distance between the plants should not generally be less than ten or fifteen inches. Stirring the earth about the roots from time to time is useful; but having once taken root, no further care is necessary.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Water Cress.—The leaves are universally used and eaten as an early and wholesome salad in Spring. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50; lb., $5.00.

True Erfurt.—A new, sweet variety. Per pkt., 20 cents; oz., 75.

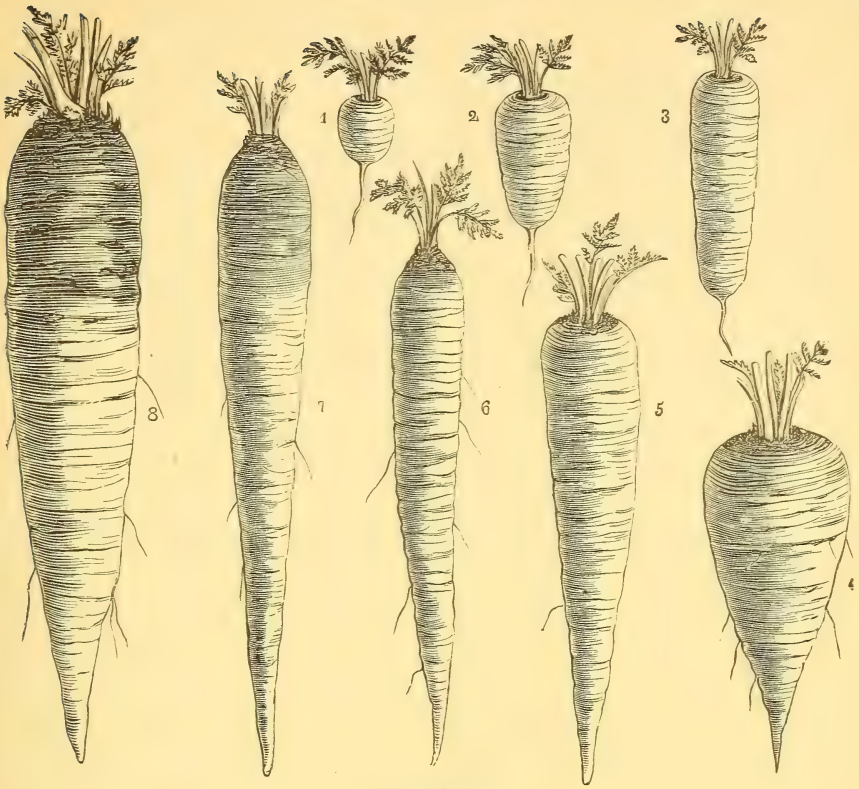
CHICORY.

[*Cichorium Intybus*, LIN.]

The roots of this vegetable are much used in Europe as a substitute for coffee. One ounce will sow a bed of four and one-half feet by thirty feet; four pounds to the acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Chicory (*Large-rooted, or Coffee*). Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.



CARROTS.

No. 1.—Earliest Forcing.
No. 2.—Early Horn.
No. 3.—Early Half Long Scarlet.
No. 4.—White Large Short Vosges.
No. 5.—Long Orange.
No. 6.—Altringham.
No. 7.—Bliss's Improved Long Orange.
No. 8.—Large White Belgian.

CARROT.

[*Daucus carota*, LIN. *Carotte*, FR. *Moere*, GER.]

CULTURE.—A light, deep, sandy loam, or peaty soil, is most suitable, and, as barnyard manure applied in a fresh state, often induces forked and ill-shaped roots, ground which has been heavily manured the previous season should be selected. The soil should be trenched deeply, and ridged, as long before sowing as possible, and, if manure is considered indispensable, let this be given after the crop is up, using guano or some good artificial manure. Sow some early sort as soon as the ground is in fair working condition, in drills twelve to fifteen inches apart, covering the seeds evenly to the depth of about half an inch. As soon as the plants are sufficiently strong, thin out the main crop, so as to leave about eight inches between each.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Earliest French Forcing.—A favorite little Carrot, prized not only on account of its extreme earliness, but superior flavor; best for forcing. Per pkt., 5 cents; oz., 15; ¼ lb., 50; lb., $1.50.

Early Horn.—One of the earliest varieties; color deep orange; fine grained and agreeably flavored; top small; it is best for the table, and will grow very well on thin soil. Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.25.

French Intermediate.—An excellent variety, in size between the above and Long Orange. Per pkt., 5 cents; oz., 15; ¼ lb., 35; lb; $1.00.

Early Half-long Scarlet.—Stump-rooted; an intermediate sort between the Early Horn and Long Orange; good for shallow soils. Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.25.

Improved Danvers.—Cylindrical shape, stump-rooted, bright orange red. Per pkt., 10 cents; oz., 15; ¼ lb., 50; lb., $1.50.

Long Orange.—Roots long, smooth, and deep orange color; suitable for the table and main field crop; it requires a good deep soil. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 80.

Bliss's Improved Long Orange.—An improvement on the preceding variety, originating in Massachusetts, and obtained by a careful selection for successive years of the best formed and deepest colored roots; a decided improvement on any hitherto offered, being larger, better flavored, of a deeper orange color, sure to produce a crop. Per pkt., 10 cents; oz., 15; ¼ lb., 35; lb., $1.00.

Altringham.—Root smaller than the orange; color bright orange red; neck small and conical; mild and well flavored. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 80.

Large White Belgian.—Roots white, green above ground, with small tops; for soups and seasonings, also for stock. Per oz., 10 cents; ¼ lb., 25; lb., 75.

CORN, SWEET.

[*Zea Mays*, LIN. *Mais*, FR. *Welschkorn*, GER. *Maiz*, SP.]

10 cts. per pint, 20 cts. per quart, extra, for postage on Corn, of all kinds, when ordered by mail.

CULTURE.—Plant for a succession of crops every three weeks, from April to July, in hills three feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

Dolly Dutton.—The earliest sweet corn ever introduced. A very dwarf-growing sort, stalks from three to four feet high. Ears small, averaging from four to five inches in length, kernels of good size, tender, very sweet and delicious. It ripens from seven to ten days earlier than the Early Minnesota, and is of much better quality. Per pkt., 10 cents; qt., 50; peck, $2.00; bush., $6.00; select ears, 75 cents per doz.; by mail, $1.00 per doz.

Washington Market or Egyptian.—This is the best of the large varieties of Sweet Corn, and when better known, will, we are confident, become a standard variety for general cultivation. It is of vigorous habit, the stalks averaging about seven feet in height. Ears large, having from twelve to fifteen rows of kernels of good size, and very productive. It is very sweet and tender, and of delicious flavor, surpassing all others. Invaluable for canning. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $5.00; select ears, 20 cents.

Triumph.—The earliest of all the large varieties, and unsurpassed for its richness, sweetness, and delicacy of flavor, productiveness, size of ear and white appearance when cooked. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.00.

Early Minnesota.—One of the earliest varieties of Sweet Corn in cultivation; the stock is of dwarf habit, ears small, very productive, and of excellent quality. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.50.

Early Narragansett.—One of the earliest of the sweet varieties, small ears, of fine flavor. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.50.

Extra Early Dwarf Sugar.—The medium height of the stalk is two and a half feet. The cob is white, ear small, eight-rowed, and corn very sweet. One of the earliest of the sweet varieties. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.50.

Darling's Extra Early Sugar.—This is one of the earliest of the tall sweet varieties, ears small, well formed, and very sweet. Per pkt., 10 cents: qt., 25; peck, $1.25; bush., $4.50.

Early Eight-rowed Sweet.—A fine variety; ears very long; cob white; eight-rowed, kernels large, deep and straight in the rows. It is highly recommended. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.50.

Moore's Early Concord Sweet.—Ears large, having from twelve to twenty rows on the ear; a superior variety, either for the market or family use, matures earlier than any other variety of equal size. Select ears 15 cents; per pkt., 10; qt., 25; peck, $1.25; bush., $4.50.

Crosby's Extra Early Sugar, or Boston Market.—The ears are rather short, averaging from twelve to sixteen rows; rich, sugary flavor; very productive. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.50.

Red Cob Sweet.—Medium early, cob red, kernels very large, deep, and in straight rows; ears long and well filled; one of the best varieties for the main crop. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.50.

Mammoth Sweet.—The largest variety, and late. Twelve to sixteen-rowed; cob white, large and well filled. Very productive, and fine flavored. Per pkt., 10 cts.; qt., 25; peck, $1.25; bush., $4.50.

Evergreen Sweet.—The latest and said to be the sweetest variety. One stalk will produce three to five ears, some of which will keep green till frost comes. Cob medium size, white; kernels small, deep, frequently irregular in the rows. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.00.

Black Sugar.—Sweet, tender, and delicious. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.50.

Early Burlington, or Adams.—A very early market variety; cob and kernels white, and in the true variety slightly indented; the ear good size, but rather short. An excellent early table variety. Per pkt., 10 cents; qt., 25; peck, $1.50; bush., $5.00.

Tuscarora.—This is a large variety, with large, flour-white kernels, a little indented; eight-rowed, cob red. It remains a long time in a boiling state. Per pkt., 10 cents; qt., 30; peck, $1.25; bush., $4.50.

Sweet Fodder.—$2.50 per bush.

CORN (Indian). Varieties for Field Culture.

10 cents per ear postage must be added for Field Corn ordered by mail.

Compton's Early Field.—A very early and most prolific variety. Stalks grow eight to ten feet in height, ears well filled to the end. Kernel medium, bright yellow, and of the flinty order. Per ear, 8 cents; doz., 75; hundred, $5.00; shelled, per quart, 20 cents; peck, $1.00; bush., $3.00.

Premium Chester County Mammoth.—This variety, wherever introduced, has given universal satisfaction, both on account of its large yields, fine quality of grain, and superior fodder. All who have tried it strongly recommend it. It is an acquisition which farmers cannot fail to appreciate. Per ear, 8 cents; doz., 75; hundred, $5.00; shelled, per quart, 20 cents; peck, $1.00; bush., $3.00.

Early Canada, or Canada Yellow.—Ears small, eight-rowed; kernel roundish, smooth, of a rich orange yellow color; cob small; stalk four to five feet high; very early; usually ripening in August; admirably adapted for culture in the Northern States. Per ear, 5 cents; doz., 50; hundred, $2.50; shelled, per quart, 20 cents; peck, $1.00; bush, $3.

Eight-rowed White Flint.—Ears about ten inches long; kernel white, productive, and of good quality. Per ear, 5 cents; doz., 50; hundred, $2.50; shelled, per quart, 20 cents; peck, $1.00; bush., $3.00.

Eight-rowed Yellow Flint.—Similar to the preceding, except in color. Per ear, 5 cents; doz., 50; hundred, $2.50; shelled, per quart, 20 cents; peck, $1.00; bush., $3.00.

Yellow Dutton.—Ears about ten inches long, twelve-rowed; kernel rich, glossy yellow color; stalk of medium height, and highly prized for mealing, both on account of its quality and its peculiar, bright, rich color. Per ear, 5 cents; doz., 50; hundred, $3.50; shelled, per quart, 20 cents; peck, $1.00; bush., $3.00.

Large White Flint, or Hominy.—A very handsome and productive variety; long full ears of fine plump grain. Per ear, 5 cents; doz., 50; hundred, $2.50; shelled, per quart, 20 cents; peck, $1.00; bush., $3.00.

Blunt's White Prolific.—An early eight-rowed white flint variety, with short, uniform, well-shaped ears. Remarkably prolific, averaging six and eight good-sized ears on each stalk. Per ear, 8 cents; doz., 75; hundred, $5.00; shelled, per quart, 20 cents; peck, $1.00; bush., $3.00.

Queen of the Prairie.—For description and price of this favorite early variety, see Supplement.

Parching, ears, per lb., 8 cents; hundred lbs., $6.00.

Southern, for fodder. Shelled, per peck, 75 cents; bush., $2.25.

CAULIFLOWER.

[*Brassica oleracea botrytis*, LIN. *Choufleur*, FR. *Blumen-kohl*, GER.]

CULTURE.—For the Spring or Summer crop sow the early varieties, at the North, about the middle of September, and when two inches high transplant to three inches apart, into a frame covered with glazed shutters, where they must be protected through the Winter; in the Spring transplant to two and a half feet apart, into soil prepared as recommended for Cabbage. Sow the same varieties for succession in a hot-bed in March, and transplant when large enough. For the Autumn crop sow the late varieties in April or May in the open ground, and transplant like Winter Cabbages. In dry weather water freely, and as they advance in growth hoe deep and draw the earth to the stems. As they begin to head they should be well watered. One ounce will sow a bed of forty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Erfurt Earliest Dwarf.—Seed grown in Erfurt; the earliest variety in cultivation, very dwarf, with solid pure white heads, and of superior quality; one of the surest to head; seed very scarce. Per pkt., 50 cents; oz., $10.00.

Erfurt Early Dwarf.—A favorite variety for the market; very early, fine compact heads, and of fine quality. Per pkt., 25 cents; oz., $2.50; ¼ lb., $8.00; lb., $30.00.

Early Snowball.—An extremely early dwarf variety, resembling the Early Dwarf Erfurt; it grows on a robust stem, and produces magnificent white heads of the finest quality. Per pkt., 50 cents; oz., $10.00.

Early Paris.—This is one of the earliest and tenderest sorts, particularly when sown in the Spring; its season in market is July to September. Per pkt., 15 cents; oz., $1.00; ¼ lb., $3.50; lb., $12.00.

Half Early Paris.—One of the most popular varieties; heads very white, compact, of delicious flavor, sure to head, and good for an early or late variety. Per pkt., 15 cents; oz., $1.00; ¼ lb., $3.00; lb., $10.00.

Nonpareil.—A well-known variety, highly esteemed; sure to head. Per pkt., 15 cents; oz., $1.00; ¼ lb., $3.00; lb., $10.00.

Early London.—An excellent variety, a little later than the above; heads large, very white and tender. Per pkt., 10 cents; oz., 75; ¼ lb., $2.50; lb., $8.00.

Algiers.—A very popular late variety, recently introduced, sure to head, and one of the very best for the market. Per pkt., 15 cents; oz., $1.00; ¼ lb., $3.50; lb., $12.00.

Erfurt Large Early White.—An excellent market variety, producing large, white, compact heads, of fine quality. Per pkt., 25 cents; oz., $1.50; ½ lb., $5.00; lb., $18.00.

Imperial.—A medium early French variety, sure to head; grows to a large size, is of delicious flavor, and will prove a valuable market variety. Per pkt., 15 cents; oz., $1.00; ½ lb., $3.00; lb., $10.00.

Early Dutch.—An early sort with large, compact heads. Per pkt., 10 cents; oz., 75; ¼ lb., $2.50; lb., $8.00.

Lenormand.—A French variety, highly recommended; heads extra large; quality superior in every respect. Per pkt., 15 cents; oz., $1.25; ¼ lb., $4.00; lb., $13.00.

Lenormand Short Stemmed.—A new and superior variety, with fine, large and well-formed heads. Per pkt., 15 cents; oz., $1.25; ¼ lb., $4.00; lb., $13.00.

Walcheren.—A well known and favorite variety, very hardy, and produces large, white, firm heads, of uniform closeness. Per pkt., 10 cents; oz., 60; ¼ lb., $2.00; lb., $6.00.

Veitch's Autumn Giant.—A valuable distinct late variety, producing large, white, firm heads, protected by the foliage. Per pkt., 25 cents; oz., $1.25; ¼ lb., $4.00; lb., $13.00.

CORN SALAD, or FETTICUS.

[*Valeriana locusta*, LIN. *Mache, Salade de ble*, FR. *Ackersalat Lammersalat*, GER. *Macha*, SP.]

CULTURE.—The seeds are thickly sown in September in shallow drills, one-fourth of an inch deep. If the weather be dry the ground should be compressed with the feet or the back of a spade. It requires no other culture, except to keep the ground clear of weeds. In a high northern climate it requires protection during Winter with a slight covering of straw. If the soil is good and rich the flavor of this plant will be greatly improved.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Corn Salad, also called "Lamb's Lettuce," is an annual, usually cultivated as a Winter and Spring salad. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

New Lettuce Leaved.—A very fine variety of Italian Corn Salad; leaves large, light green and of fine quality. Per pkt., 10 cents; oz., 20; ¼ lb., 50; lb., $1.50.

CUCUMBER.

[*Cucumis sativus*, LIN. *Concombre*, FR. *Gurke*, GER. *Pepino*, SP.]

CULTURE.—Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled, warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well-rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be plucked when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Russian Netted.—This variety is exceedingly prolific; its hardiness surpasses all other varieties, consequently is particularly adapted for northern or cold, bleak climates; it is of medium size, white flesh, and the skin is covered with a pretty, white net-work, which imparts to the fruit a peculiar as well as handsome appearance. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Early Frame.—The standard sort for the table and for pickling; of medium size, straight and handsome; it makes a beautiful pickle that keeps well. Per pkt., 5 cents; oz., 10; ½ lb., 30; lb., $1.00.

Early Russian.—The earliest in cultivation; it sets in pairs, and the first blossoms usually produce fruit; flavor pleasant and agreeable. Per pkt., 5 cents; oz., 15; ¼ lb., 35; lb., $1.00.

GROUP OF CUCUMBERS.

1.—Early Cluster.
2.—Long Green Prickly.
3.—Early Frame.
4.—Early Russian.
5.—White Spine.
6.—General Grant.

CUCUMBER.—*Cont'd.*

Early White Spine.—The best sort for the table; the fruit, in turning white at maturity, retains its fresh appearance much longer than any of the yellow varieties; on this account it is a favorite with market men; good for forcing and a great bearer. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 85.

Early Green Cluster.—A short, prickly variety, bearing in clusters near the root; it is a great bearer, and comes to maturity the earliest in the list, excepting the early Russian. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Improved Early White Spine, or Arlington.—An improved variety of the White Spine Cucumber, which has succeeded better than any other variety for forcing on a large scale, as practiced by the market gardeners in the vicinity of Boston, where, in addition to those grown for home consumption, thousands are annually sent to the New-York market, where it is much esteemed for its superior quality; it is also extensively grown in the Southern States for shipping North in the early part of the season. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Long Green Prickly.—A very excellent variety, a good bearer, about a foot in length, firm and crisp. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

General Grant.—A superior variety either for forcing or for culture in the open ground; it is perfect in form, solid and crisp, and of a most agreeable flavor, and often grows from 24 to 30 inches in length; we can recommend it as superior to any other variety for forcing, either in frames or cucumber houses. Pkts. of 10 seeds, 25 cents.

Small Gherkin, or Burr.—Fine for pickles. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Boston Pickling.—One of the best for pickling. Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.25.

Green Prolific Pickling.—A new variety, selected with great care by one of the largest growers of pickling cucumbers in the country; with good culture 200,000 can be grown on one acre. Per pkt., 10 cents; oz., 20; ¼ lb., 40; lb., $1.25.

Tailby's Hybrid.—A cross between the White Spine and a variety of the large English sorts; grows to a large size, and is well worthy the attention of amateurs and market gardeners. Per pkt., 10 cents; oz., 25.

Khiva-Netted.—Of oblong shape, has white flesh and brownish yellow skin, netted with white; being very productive and hardy, it is well adapted for culture in northern latitudes or in cold, bleak districts. Per pkt., 15 cents; oz., 50.

Swan-Neck.—A new and highly esteemed variety, of excellent flavor; grows from one to two feet in length, a most abundant cropper, and produces fruit until vines are destroyed by frost; equally well adapted for the frame or open ground. Per pkt., 25 cents.

White Japan.—A pure white variety, productive and of fine quality, either for the table or for pickles. Per pkt., 10 cents; oz., 25; ¼ lb., 75.

ENGLISH AND GERMAN FRAME VARIETIES.

The following are recommended for forcing:

Marquis of Lorne.—A new and highly esteemed variety, of handsome form and of fine flavor. Pkts. of 10 seeds, 25 cents.

Rollisson's Telegraph.—Very prolific, early, crisp and of superior quality. Pkts. of 5 seeds, 25 cents.

Giant of Arnstadt.—Very long, of fine quality, 20 inches. Per pkt., 25 cents.

Glory of Erfurt, New White.—Early, very long, pure snow white. Per pkt., 25 cents.

DANDELION.

[*Leontodon Taraxacum*, LIN. *Pisse-en-lit*, FR. *Loewenzahn*, GER. *Amargon*, SP.]

The Dandelion resembles Endive, and affords one of the earliest, as well as one of the best and most healthful Spring greens. It is also sometimes blanched and used as a salad. The roots, when dried and roasted, are often employed as a substitute for coffee. The seeds may be sown in May, in drills ten inches apart; thin out the young plants about three inches apart; cultivate during the season, and in the following Spring the plants will be fit for the table.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Dandelion.—Common variety. Per pkt., 10 cents; oz. 40 cents; ¼ lb., $1.25; lb., $4.00.

Improved Large Leaved.—Per pkt., 20 cents; oz., $1.00.

EGG-PLANT.

[*Solanum melongena*, LIN. *Aubergine*, FR. *Eierpflanze*, GER. *Berengena*, SP.]

CULTURE.—Sow thickly on a hotbed for early crops, or very early in the Spring, in a warm, sheltered, dry situation in open ground, where they can be protected by hand glasses. When the plants are three or four inches high, and the warm weather has set in, transplant them into well-enriched ground, about thirty inches apart, each way. Draw earth to the plants as they advance. One ounce of seed will produce about one thousand plants.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

New-York Improved Purple.—An improved variety of the Round Purple, of deeper color, and of larger size, and of fine quality; a superior market variety. Per pkt., 10 cents; oz., 60; ¼ lb., $2.00; lb., $7.00.

N. Y. Purple Egg Plant.

Early Long Purple.—Early, of easy culture; thrives well in almost any section of the Northern States, and, if started early, will perfect its fruit in the Canadas. Per pkt., 5 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Round Purple.—Fruit obovate, four or five inches in diameter, and of fine, deep purple when well matured; sometimes striped or razed with yellowish green. Per pkt., 5 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Pekin New Black.—A new and distinct variety from China. Fruit round, or globular, deep purple, almost black, weighing four to eight pounds each. Early and exceedingly prolific. The flesh is white, fine grained and delicately flavored. Per pkt., 10 cents; oz., 75; ¼ lb., $2.25; lb., $8.00.

Guadaloupe Striped.—Fruit nearly ovoid, smaller than the Long Purple; skin white and variegated with purple; very ornamental. Per pkt., 10 cents; oz., 50.

White Fruited.—Fruit milk white, egg-shaped; grown principally for ornament. Per pkt., 10 cents; oz., 50.

Scarlet Fruited.—A highly ornamental variety; fruit about the size of a hen's egg, first of a whitish color, from which it changes to a yellow, and afterwards to a brilliant scarlet; not edible. Per pkt., 10 cents; oz., 50.

Tomato-shaped.—Color beautiful, bright red; very ornamental; not edible. Pkt., 10 cents; oz., 75.

ENDIVE.

[*Cichorium endivia*, LIN. *Chicoree-endive*, FR. *Endiven*, GER. *Endivia*, SP.]

This is a hardy annual, cultivated principally for a Winter salad.

CULTURE.—Make the first sowing about the middle of May on a bed of well-pulverized rich soil, scattering the seed thinly, and covering it lightly. For the main crop sow in the middle of June, and again about the middle of July; and for plants to stand the Winter sow early in August. When the plants are about two inches high transplant into nursery beds upon rich, well-prepared soil, taking special care not to injure the roots, as this, as well as the want of water in hot, dry weather, will cause them to run to seed. In dry seasons copious waterings will be necessary to keep the plants in a quick growing, and consequently a crisp and brittle state. When fully grown, the process of blanching may be commenced by tying the leaves loosely together with bass matting, to exclude the light and air from the inner leaves, which in the course of a few weeks will become blanched.

Blanching may also be accomplished by covering the plants with boards to exclude the light. One ounce will sow a bed of about eighty square feet. When severe weather is feared, a portion of the plants may be lifted with balls and planted closely together in pits or frames, where they can be protected.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Green Curled.—The hardiest sort, with beautifully curled dark green leaves, tender and very crisp. Per pkt., 5 cents; oz. 20; ¼ lb., 60; lb., $2.00.

White Curled.—Resembles the Green, except in color and hardiness. Per pkt., 5 cents; oz., 20; ¼ lb., 60; lb., $2.00.

Broad-leaved Batavian.—This is the *Chicoree scarolle* of the French, and is chiefly used in stews and soups. Leaves broad, light green, and plain. Per pkt., 10 cents; oz., 20; ¼ lb., 60; lb., $2.25.

French Moss.—Beautifully curled, and when well developed appears like a tuft of moss. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

GARLIC.

[*Allium sativum*, LIN. *Ail*, FR. *Knoblanch*, GER. *Ajo*, SP.]

Extensively grown for flavoring soups, stews and other dishes, also for medicinal uses.

CULTURE.—They succeed best when planted in light, rich soil. Plant in April or May one inch deep in drills fourteen inches apart, and five or six inches apart in the rows. Keep the soil loose and the plants clear of weeds, and when the plants wither, the bulbs will have attained their growth and be ready for harvesting.

If by mail, postage must be added at the rate of 16c. per lb.

Sets.—Per lb., 40 cents.

KALE (See Borecole).

KOHL-RABI.

[*Brassica caulo-rapa*, LIN. *Chou-rave*, FR. *Kohlrabi*, GER. *Colinabo*, SP.]

CULTURE.—The seeds of this plant may be sown at the same period as the Swedish or Ruta-baga Turnip, and may be cultivated in the same way, remembering to leave the chief part of the stems uncovered by the earth. The bulbs may be kept sound and nutritious until late in the Spring—even later than those of the Swedes. One ounce of seed will produce about two thousand plants.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early White Vienna.—Above ground; fine early sort, excellent table variety. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Early Purple Vienna.—Above ground; similar to preceding, except in color, equally good for the table. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Large White, or Green.—Above ground; excellent variety for farm culture. Per pkt., 5 cents; oz., 20; ¼ lb., 60; lb., $2.00.

LEEK.

[*Allium porrum*, LIN. *Poireau*, FR. *Lauch*, GER. *Puerro*, SP.

CULTURE.—The Leek is very hardy, and easily cultivated; it succeeds best in a light but well-enriched soil. Sow as early in Spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high, they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck being covered, may be blanched. If fine Leeks are desired, the ground can hardly be made too rich.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Broad London, or Flag.—A large and strong plant, with broad leaves growing only on two sides, like the Flag. Per pkt., 10 cents; oz., 15; ¼ lb., 50; lb., $1.50.

Large American Flag.—A favorite variety with the market gardeners; of strong and vigorous growth. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Musselburgh.—Stem somewhat shorter than the London, but of equal thickness, leaves broad and tall, spread like a fan; hardy and of excellent quality. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Extra Large Carentan.—Very hardy, of extraordinary size, much larger in every respect than any other variety, and of fine quality. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Large Rouen.—Leaves dark green, broad and thick, stem short and thick; largely grown in the vicinity of Paris; it is also the best for forcing. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

LETTUCE.

[*Lactuca sativa*, LIN. *Laitue*, FR. *Lattich*, GER. *Lechuga*, SP.]

CULTURE.—Several sowings are requisite during the season. For an early crop sow under glass in February, and transplant on a well-prepared bed, in some sheltered corner, in April. For successional crops, sow in beds of well-pulverized soil in March, and at intervals of about a fortnight until the end of May. When sown for cutting young, the seed may be put in rather thick, in rows or broadcast, but to have finer heads it should be sown thinly in rows, and transplanted a foot apart into the richest soil. The Hammersmith and Brown Dutch varieties may be sown in September, in a dry, sheltered situation, and if protected by a loose covering of straw and evergreen boughs, will stand the Winter well, and give a good crop early in the Spring; or they may be transplanted in cold frames, where they will head during the Winter and early Spring. One ounce of seed requires a seed-bed of one hundred and twenty square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

American Gathering.—A distinct variety, the tips of the leaves being marked with red; very solid, exceedingly crisp, and of excellent flavor. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Black-Seeded Simpson.—Similar in habit, but nearly double the size and of a lighter color than the ordinary Curled Simpson. Stands the summer well. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Green Fringed.—A distinct and handsome variety, of a peculiar shade of green, with the edges beautifully fringed; inner part of the leaves well blanched; remains fit for use nearly all summer. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

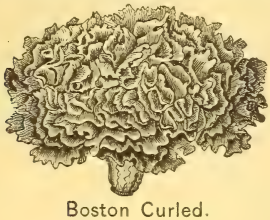
Early Curled Silesia.—An early variety of strong growth; leaves large, light yellow, wrinkled. For forcing and the first Spring sowing it is highly esteemed. Per pkt., 5 cents; oz., 20; ¼ lb., 60; lb., $1.75.

Early Curled Simpson.—An improved variety of the preceding, very early, and an excellent sort for forcing, is largely grown by the market gardeners in the vicinity of New-York. Per pkt., 10 cents; oz., 20; ¼ lb., 75; lb., $2.00.

Tennis Ball.—Well-formed heads, hardy and crisp; of excellent quality. One of the earliest of the heading varieties. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

LETTUCE.—*Cont'd.*

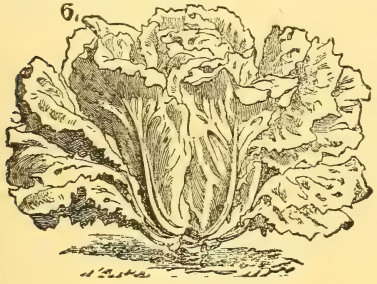
Boston Market.—An improved variety of the Tennis Ball; one of the best for forcing. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.



Boston Curled.

Boston Curled.—A variety of great beauty and of very superior quality. The symmetry of its growth, and fine, elegant frilling of the leaves, render it highly ornamental. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Perpignan.—A German variety, highly recommended, stands the Summer heat well, does not run so quickly to seed as most other varieties. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.



Large India.

Large India.—One of the largest varieties. It forms large, round heads, which cut white, brittle, and almost transparent. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Royal Summer Cabbage.—Color light yellow; leaves uniform, nearly all turned into the head, which is well formed, good size, close, and a little flattened. It stands the heat well. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Early Butter Salad.—Very tender and of delicate flavor. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Brown Winter Cabbage.—A very hardy variety; will stand Winter well. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Hanson Lettuce.—Heads very large, solid, sometimes weighing two to three pounds; tender, crisp and of fine flavor; color beautiful green outside and white within. Stands the Summer heat well; one of the very best in cultivation. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Drumhead, or Malta.—One of the best Summer Lettuces; large, crisp, compact. Per pkt., 5 cents; oz., 15; ¼ lb., 50; lb., $1.50.

Early Prize Head.—An early variety, forming a mammoth head, remains tender and crisp throughout the season; of superb flavor, and very hardy. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Brown Dutch.—Generally sown in Autumn, and will endure the Winter with slight protection. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.00.

Hammersmith Hardy Green.—The best for Autumn sowing to stand Winter. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Paris Green Cos.—One of the best of the Cos varieties. It grows upright, with long, narrow, and dark green leaves. It should be tied up to blanch a week or ten days before cutting. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

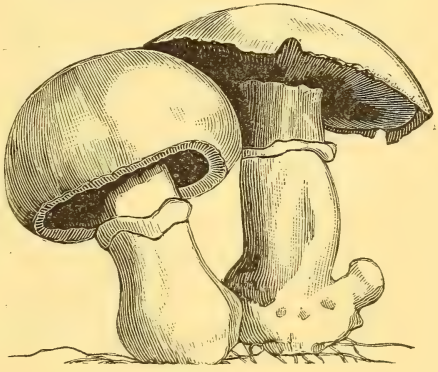
Paris White Cos.—Similar to the above, with leaves of lighter color. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Sutton's Commodore Nutt.—The earliest and smallest Lettuce in cultivation; remains a long time in use before going to seed; is of fine flavor, and for the first cuttings, will be found invaluable. Per pkt., 25 cents.

Large Winter Cabbage.—Larger than Hammersmith, whiter in color and heading more freely; a most valuable Winter Lettuce. Per pkt., 15 cents; oz., 50; lb., $3.00.

Satisfaction.—A new English variety, large, compact, solid and crisp; stands the heat well. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Martynia for Pickles.

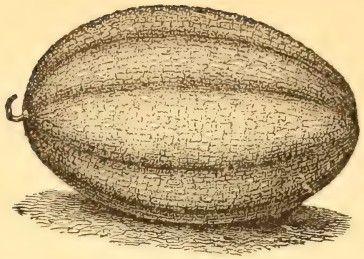


Mushrooms. *Page* 87.

MARTYNIA.

A hardy annual plant, the seed pods of which, if picked when green and tender, make excellent pickles. Sow in May, in the open ground, about three feet each way, where the plants are to remain; leave but one plant in a hill, or a few seeds may be sown in a hotbed, and afterwards transplanted.

Martynia proboscidea.—Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.



Cassaba Melon.

Green Citron Melon.

MELON (Musk Varieties).

[*Cucumis melo*, LIN. *Melon*, FR. *Melone*, GER. *Melon Muscatel*, SP.]

CULTURE.—Plant late in Spring, in hills five or six feet apart each way, well manured with old rotten compost; scatter a dozen seeds to a hill, and after they are out of danger from bugs, thin to three or four plants. When they have four or five rough leaves, pinch off the end of the main shoot, which will cause the lateral branches to put forth sooner. It will strengthen the growth of the vines, and the fruit will come earlier to maturity. A light, dry, sandy soil, and a dry atmosphere are most suitable. Melons should not be planted near other varieties, if it is desired to preserve them pure. They have arrived at perfection when the stem will cleave from the fruit. A very rough netted skin is the most sure indication of a high-flavored fruit. The varieties are numerous, but the following are most esteemed:

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Cassaba.—A Musk melon of extraordinary size and delicious flavor; weight from 12 to 15 pounds. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Nutmeg.—Of larger growth, globular shaped; flesh green; highly scented. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

White Japan.—A native of Japan, very early, and decidedly the sweetest, thin-skinned Musk-melon. Color of fruit cream white; flesh thick, size medium, and nearly round. Per pkt., 5 cents; oz., 20; ¼ lb., 50; lb., $1.25.

Jenny Lind.—Small size, delicious flavor; early. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Christiana.—Green, with yellow flesh; ten days earlier than Nutmeg, of fine flavor, most excellent sort. Very early, which renders it particularly valuable for a Northern climate. Per pkt., 5 cents; oz., 20; ¼ lb., 50; lb., $1.25.

Sill's Hybrid.—Medium size; greenish white surface, with salmon colored flesh; early, productive very sweet, and of delicious flavor. Per pkt., 5 cents; oz., 20; ¼ lb., 50; lb., $1.25.

Pine-Apple.—A dark green, oval Melon, of medium size; rough-netted; flesh thick, firm, and sweet. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Skillman's Fine Netted.—A small, rough-netted variety, flattened at the ends; flesh green, very thick, firm, sugary, of the most delicious flavor. The earliest of the green fleshed melons. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Hackensack.—A variety of the Green Citron Musk-melon, well known among the New-York market gardeners. It grows to a very large size; is very productive, as well as a very showy variety, of exquisite flavor. Per pkt., 10 cents; oz., 20; ¼ lb., 50; lb., $1 50.

Ward's Nectar.—A new green fleshed variety, of fine quality, sweet, rich and delicious. Per pkt., 10 cents; oz., 25; ¼ lb., 50; lb., $1.50.

Green Citron.—Handsome, roundish fruit, flattened at the ends; roughly netted all over; flesh thick, green, melting, very sweet; high flavored. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Large Musk.—This is the largest variety; long, oval shape, deeply ribbed; flesh thick, light salmon colored, and of peculiar musky flavor; early and productive. This kind is used in its green state for "mangoes." Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Large Yellow Cantaloupe.—A good-sized, nearly round fruit; netted, and slightly ribbed; flesh salmon colored, thick, and musk-flavored. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

FRENCH CANTALOUPE AND OTHER MELONS.

Green Climbing Melon.—A netted variety to be trained upon a trellis, productive, and of exquisite flavor. Per pkt., 10 cents.

Composite.—Oval-shape, with deep ribs and thin, dark green skin, handsomely netted, flesh of orange scarlet, very rich, sweet and brisk, of most exquisite flavor. Per pkt., 25 cents.

Tours Sugar.—Netted, light green flesh, sweet and delicious. Per pkt., 25 cents.

Algiers Cantaloupe.—Hardy and productive, very delicate flavor. Per pkt., 25 cents.

Prescott Cantaloupe.—A very popular variety with the market gardeners of Paris; prolific, grows to a large size, very thick meated, of most excellent flavor, very fragrant. Per pkt., 25 cents.

Orange Cantaloupe.—Medium sized variety, orange flesh, productive and of fine quality. Per pkt., 25 cents.

Sutton's Tom Thumb Melon.—The smallest Melon in cultivation. It is beautifully marked with alternate stripes of orange and claret, flesh green. Per pkt., 25 cents.

MUSTARD.

[*Sinapis*, LIN. *Moutarde*, FR. *Senf*, GER. *Mostaza*, SP.]

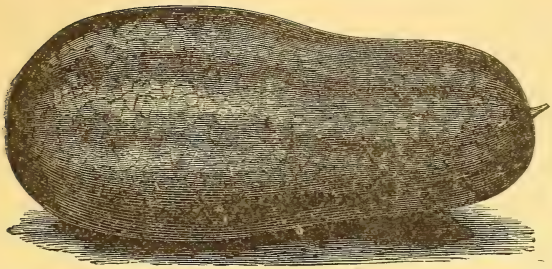
CULTURE.—For early salads sow on a slight hotbed in March, and for a general crop at intervals through the Spring, in rows six inches apart, and rather thick in the rows; cut it when about an inch or two high.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

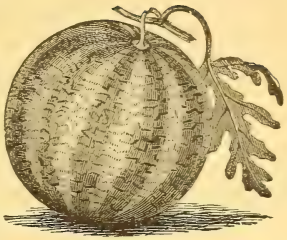
White or Yellow.—For salads or medicinal purposes. Per oz., 10 cents; ¼ lb., 15; lb., 40.

Black or Brown.—For culinary use. Per oz., 10 cents; ¼ lb., 15; lb., 40.

Chinese.—Leaves twice the size of the ordinary White Mustard, of a deeper green, flavor pleasantly sweet and pungent, and preferable as a salad. Per oz., 10 cents; ¼ lb., 20; lb., 50.



Mountain Sweet Water-melon.



Citron Water-melon.

MELON (Water).

[*Cucurbita citrullus* LIN. *Melon d'eau*, FR. *Wassermelone*, GER. *Zandia*, SP.]

CULTURE.—Plant in hills, six to eight feet apart, in May. Select warm, light, dry ground, and in preparing the hills let them be dug out broad, and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil, filling up a little above the level of the ground. The plants will fruit better by occasionally pinching the leading shoots off the vines. One ounce of seed will be sufficient for about one hundred hills.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16 cents per pound.

Phinney (Early Oval).—Bright, red flesh, sweet, tender, and well-flavored; fine market variety. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Gipsey.—A very superior variety, lately introduced; oblong, light green, beautifully mottled and striped with white; flesh scarlet, very solid; seeds white, rind thin, delicious flavor; one of the best market varieties. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Black Spanish.—Round, very dark green, with scarlet flesh, and black seeds. Very thin rind, rich sugary flavor. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Mountain Sweet.—One of the very best for general culture; color dark green, rind thin, flesh scarlet, solid, very sweet and delicious. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Mountain Sprout, or Long Carolina.—A large, long, striped variety, with bright scarlet flesh and drab-colored seeds. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Ice Cream.—Medium size, nearly round; color pale green; white seed, thin rind; flesh solid, scarlet, crisp, of delicious flavor. Per pkt., 10 cents; oz., 20; ¼ lb., 50; lb., $1.50.

Joe Johnston.—Form short, oval, nearly round; color light green, with dark stripes; flesh deep red, flavor remarkably sweet and rich. Per pkt., 10 cents; oz., 20; ¼ lb., 50; lb., $1.50.

Apple Pie Melon.—When stewed and made into pies, it is an excellent substitute for apples. Keeps till May. Directions for cooking accompany each packet. Per pkt., 10c.; oz., 20; ¼ lb., 50; lb., $1.50.

Citron.—For preserving; grows uniformly round and smooth; striped and marbled with light green; flesh white and solid, seeds red. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Persian.—Of pale green color, with dark stripes; flesh crimson, and of remarkably fine texture; delicious flavor, with only half an inch of rind. A peculiarity of this melon is that it can be taken off the vine to ripen, and will keep till winter. Per pkt., 20 cents; oz., 50 cents.

The Russian American.—A hybrid between the above and the Mountain Sweet Melon; unsurpassed for size, delicious crispness of flesh, and sweetness of flavor. It ripens about three weeks later than the American varieties, has the narrowest possible rind, with a mass of crimson flesh five inches in diameter, invariably sweet and solid. Per pkt., 20 cents; oz., 50 cents.

Japanese Cream Fleshed.—A delicious variety; color dark green, mottled, similar in shape to the Mountain Sweet, very thin rind; flesh cream color, solid and very sweet. Very productive and an excellent keeper. Per pkt., 10 cents; oz 30; ¼ lb., $1.00; 1 lb., $3.00.

Excelsior.—Resembles the Mountain Sprout, being beautifully marked with bright green stripes. The flesh is a bright red, very delicate and sweet, while in size it is the largest now sold. Per pkt., 15 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Orange.—Peculiar for the division of its flesh from the rind, which may be taken off like the rind of an orange, by a little separation with a knife. The shape is oval; color green; flesh red, of medium quality; seeds thick and short. Per pkt., 10 cents; oz., 20; ¼ lb., 40; lb., $1.25.

Southern Rattlesnake.—An exceedingly popular variety, on account of its fine shipping qualities; of oblong shape; light green color, beautifully striped; remarkably thin rind, giving a deep flesh, which is scarlet, solid, and deliciously sweet. Per pkt., 10 cents; oz., 15; ¼ lb., 50; lb., $1.50.

MUSHROOM SPAWN.

Mushrooms may be cultivated much easier than is generally supposed. They may be grown in a cellar or shed, or in beds prepared in the open air in the same manner as hotbeds. Take fresh horse manure, shake it well apart, and lay it into a heap to ferment. Turn and mix it well every three or four days, by shaking together the outside of the heap which is cold, and the inside which is hot, so that every part of it may be equally fermented and deprived of its noxious quality. When the dung is in a fit state to be made into a bed, which will be in two or three weeks after it has been put together to ferment, select a dry spot for a foundation. Mark out the bed, which should be four feet wide, and as long as you choose to make it. In making the bed mix the dung well together, beating it down with the fork until from eighteen to twenty-four inches thick. In this state it may remain until the temperature is about 74 degrees. Divide the large cakes of spawn into small lumps, plant two inches below the surface, six inches apart, cover with two inches of fine light soil, and press down evenly and protect from heavy rains. The Mushrooms will make their appearance in from four to six weeks, according to the season. After the bed has been spawned do not water unless quite dry; use lukewarm water only. Price, 15 cents per lb.; 8 lbs. for $1.00, in bricks. French, in boxes of 2 lbs., 75 cents. Bricks by mail, 30 cents per lb.; French by mail, 2 lbs., $1.00.

NASTURTIUM, or INDIAN CRESS.

[*Tropœolum majus*, Lin. *Capucine grande*, Fr. *Kresse Indianische*, Ger. *Maranuella*, Sp.]

Culture.—Sow early in the Spring in drills one inch deep, the Tall variety by the side of a fence, trellis-work, or some other support, to climb upon, and the Dwarf to form borders for the alleys. They will thrive in good ground, in almost any situation, but are most productive in a light soil. The seeds, while young and succulent, are pickled and used as capers. One ounce will sow 25 feet of rows.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Tall.—Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.25.
Dwarf.—Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

ONIONS.

[*Allium cepa*, Lin. *Ognon*, Fr. *Zwiebel*, Ger. *Cebolla*, Sp.]

Culture.—A rather strong, deep and rich loamy soil is most suitable for this crop. The ground should be heavily dressed with rich, well-rotted manure, trenched deeply, and ridged up early in Autumn, and if the soil is of a light, sandy nature, cow manure will be most suitable. The main crop should be sown as early as the ground may be in working condition, and, whether this occurs in March or April, a favorable opportunity for putting in the seed should not be suffered to pass. Sow the seeds thinly and regularly, and cover with the soil displaced in making the drills, or where this is too lumpy, with other fine soil. They succeed equally well any number of years on the same ground, if kept highly enriched with fine yard manure, spread on every Spring, and turned in with a light furrow. A top-dressing of wood ashes, applied after the second weeding, is very beneficial to this crop, as will soon be observed by the dark and healthy change of color given to the plants.

Onion sets and tops are placed on the surface in shallow twelve-inch drills, about four inches apart, slightly covered. For raising Onion "Sets" or "Button" Onions, the seed should be sown as early as the ground can be worked in the Spring, very thickly, in beds or drills; and about the middle of July, or whenever the tops die down, the little bulbs, or "Sets," are gathered and kept spread thinly in a dry, airy loft.

Potato Onions should be planted in April. Select the large bulbs, place them ten inches apart, with the crown of the bulbs just below the surface of the ground.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Extra Early Red.—Rather smaller, and more flat-shaped than Large Red; close-grained, heavy. Fit to gather last of July; keeps well. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.75.

Early Red.—About ten days earlier than the large red; somewhat smaller; very productive, of mild flavor, and a good keeper. Per pkt., 10 cents; oz., 35; ¼ lb., $1.25; lb., $4.50.

Wethersfield Large Red.—Large size, deep red, thick, approaching to round shape, fine-grained, pleasant-flavored, and productive. It ripens in September, and keeps well. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.25.

Danvers Yellow.—A thick, heavy, straw-colored onion, mild-flavored, and yields most abundantly; ripens early and keeps equal to the best. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.25.

Yellow Dutch.—The common yellow variety; is rather flat shaped, and excellent flavored. Is good to keep. Per pkt., 10 cents; oz., 35; ¼ lb., $1.25; lb., $4.00.

White Portugal.—A mild, pleasant onion, which grows to fair size and handsome shape. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.25.

Red Globe.—Similar to the Large Red in color and flavor, but quite distinct in form, being nearly globular, and very productive. Per pkt., 10 cents; oz., 50; ¼ lb., $1.75; lb., $6.00.

White Globe.—Form nearly ovoid, very regular and symmetrical, skin white, mild and pleasant flavor; keeps well; is an excellent variety. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50; lb., $5.75.

When the following are ordered by mail, 20 cents per quart must be added for postage.

Crop very light this year.

(Prices Variable.)

Top, or Button Onions.—Per quart, 35 cents.
Potato Onions.—Per quart, 35 cents.
Onion Sets, Yellow.—Per quart, 40 cents.
Onion Sets, White.—Per quart, 45 cents.

NEW ITALIAN ONIONS.

Marzagole.—The latest novelty in this class. They grow to a large size, silvery white skin, and are said to be the earliest of all. If sown in Autumn in warm climates, they will be ready for use in March. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Large Italian Red Tripoli.—Bulbs of this variety were exhibited in England weighing two and one-half pounds; flavor is exceedingly mild and pleasant. Pkt., 10 cts.; oz., 30; ¼ lb., $1.00; lb., $3.50.

New Giant Rocca of Naples.—Bulbs exhibited as above, weighing three and one-half pounds. This variety has a light-brown skin, of delicate flavor, and of globular form. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Giant Rocca Blood Red.—Similar to the above, except in color of skin, which is dark red; decidedly one of the finest sorts, and keeps well. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

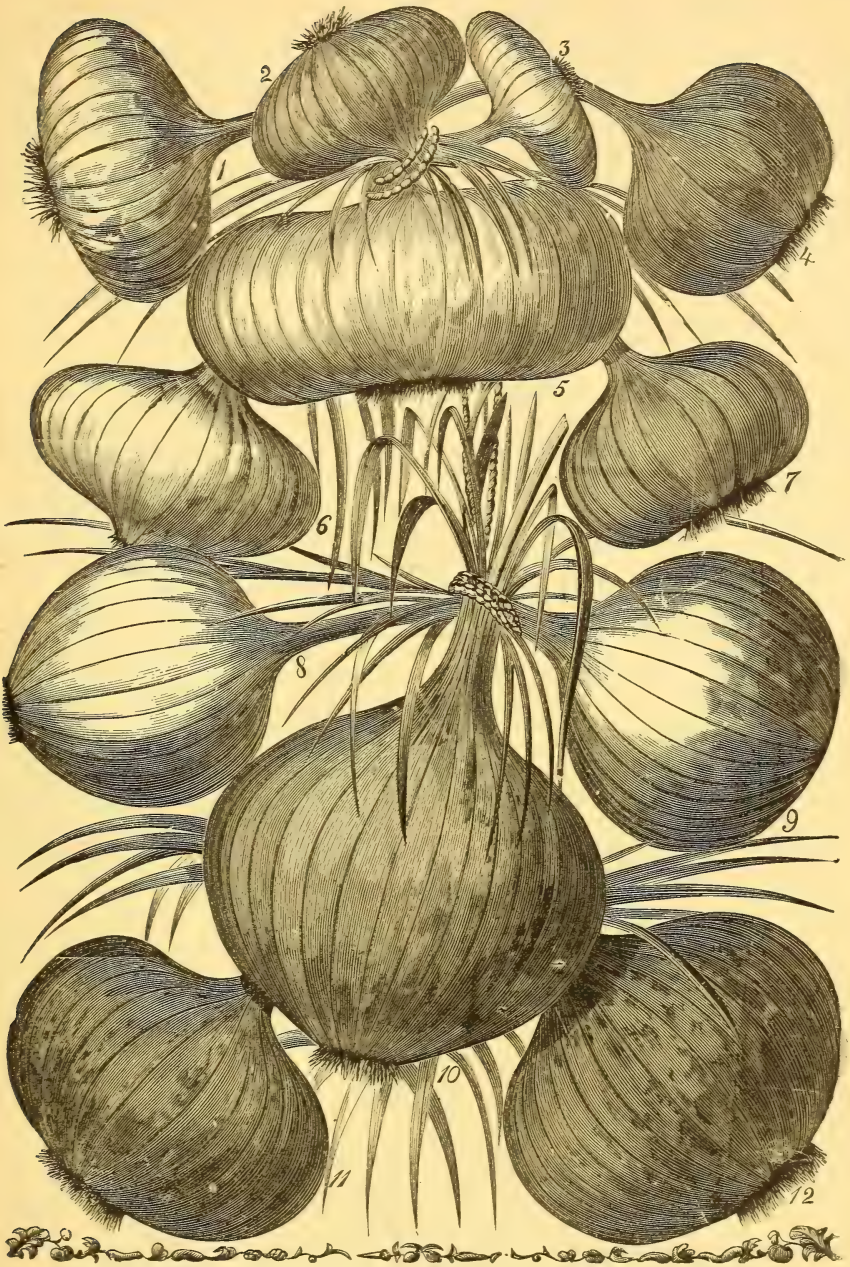
Giant Rocca Yellow.—Similar to the two preceding varieties; clear yellow skin; of large size, mild flavor, and excellent keeping qualities. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Nocera.—A very early, flat-shaped, silvery-skinned variety, similar to the New Queen; of excellent flavor; splendid for pickling, and keeps well. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Giant White Italian Tripoli.—Specimens were exhibited at the Royal Agricultural Show at Oxford, four roots weighing nine pounds. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Early White Naples.—A distinct variety of quick growth, gentle and mild flavor, of large size, weighing about a pound each, earlier than the preceding, and beautiful silver skin. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

New Queen.—A very nice silver-skinned Tripoli Onion, as remarkable for its keeping qualities as for the rapidity of its growth. Very mild flavored, and excellent for pickling. Per pkt., 10 cents; oz., 40; ½ lb., $1.25; lb., $4.50.



GROUP OF ONIONS, SHOWING THEIR PROPORTIONATE SIZE.

1.—White Portugal.
2.—Early Red Wethersfield.
3.—Early Cracker.
4.—Yellow Danvers.
5.—Giant White Tripoli.
6.—Yellow Dutch, or Strasburg.
7.—Early White Naples.
8.—Yellow Globe.
9.—White Globe.
10.—New Giant Rocca.
11.—Large Red Wethersfield.
12.—Red Globe.

OKRA, or GOMBO.

[*Hibiscus esculentus*, LIN. *Gombo*, FR. *Essbarre Hibiscus*, GER. *Quimbombo*, SP.]

This is an annual from the West Indies, cultivated for its green seed-pods, which are used in soups or stewed and served like Asparagus.

CULTURE.—Plant late in the Spring, after the ground has become warm, in hills about two and a half feet apart, and thin to three plants in a hill. Hoe often, and earth up a little to support the stems. The pods should be gathered while quite young and tender, Okra is easily preserved for Winter use by slicing the pods into narrow rings, and drying them upon strings hung up and exposed to the air. The ripe seeds are often used as a substitute for coffee. One ounce will sow 100 feet of rows.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Improved Dwarf Green.—Small, green and round, smooth pods. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Long Green.—Long ribbed pods. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

ORACHE, or MOUNTAIN SPINACH.

[*Atriplex hortensis*, LIN. *Aroche*, FR. *Garten melde*, GER. *Espináca*, SP.]

CULTURE.—This plant flourishes best in a rich, moist soil, in open ground. The seed may be sown about the end of September, and again in the Spring for succession, in drills, six inches apart. When the seedlings are about an inch high thin them to six inches apart; and those removed may be planted out at the same distance in a similar situation, and watered occasionally, if needed, until established. The leaves must be gathered for use while young, otherwise they will be worthless and stringy. One ounce will sow one hundred feet of row.

The leaves of the Orache are cooked and eaten in the same manner as Spinach, to which it is preferred by many persons.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

White.—Per pkt., 10 cents; oz., 15; ¼ lb., 50; lb., $1.50.

PARSLEY.

[*Apium petroselinum*, LIN. *Persil*, FR. *Petersilie*, GER. *Perejil*, SP.]

This well-known and agreeable savory herb is used as a garnish and for seasoning soups, meats, etc.

CULTURE.—Parsley loves a rich, and tolerably deep soil. Soot is a manure very congenial, and may be added to the compost. Soak the seeds a few hours in tepid water, and sow early in the Spring in one foot drills; thin out the plants to three or four inches apart; a single row forms a very good edging for beds or walks. The seed germinates very slowly, and sometimes two or three weeks will elapse before the plants make their appearance. It often fails entirely in dry weather. One ounce of seed will sow about two hundred feet of row. To have Parsley green during Winter, remove some plants into a light cellar, and treat them as in open culture in Autumn.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

New Fern-leaved.—Most exquisite in form and coloring, and admirably suited for mixing with dwarf ornamental foliage plants in the flower garden; also for table decoration. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Plain Parsley.—Leaves dark green, plain, longer than the Curled, and better flavored for seasoning. A covering of straw or evergreen boughs will ordinarily protect it through the Winter. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Extra Moss Curled.—Leaves beautifully curled, extra fine for garnishing. Per pkt., 5 cents; oz., 10; ¼ lb. 30; lb., $1.00.

Curled, or Double.—Dwarf and tender; leaves yellowish green and very beautifully crimped and curled; used principally as a garnish for the table. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 80.

Hamburg, or Rooted.—The roots are used for flavoring soups, etc. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

PARSNIP.

[*Pastinaca sativa*, LIN. *Panais*, FR. *Pastinake*, GER. *Chirivia*, SP.]

The Parsnip is a hardy biennial indigenous to Great Britain. In its native state the root is small and fibrous, possessing but little of the fineness of texture and delicacy of flavor of the cultivated varieties.

CULTURE.—Parsnips succeed best in a deep, free, rich soil; that having been heavily manured for previous crop should be selected, and if manure must be used for this crop let it be well decomposed, or use guano. Sow in lines fifteen to eighteen inches apart, as early in Spring as the ground can be found in fair working condition. When the plants are about two or three inches high, thin them out, leaving six or eight inches between them. The roots are hardy, and improve by leaving in the ground through the Winter, taking only enough in the cellar to last during cold weather. They are very valuable for feeding cattle as well as for the table. One ounce will sow two hundred feet of row; five pounds to the acre.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Short Round French.—The earliest variety. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

The Student.—A variety, of delicious flavor, ennobled from the wild parsnip; a great acquisition. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Long Smooth, or Hollow-Crowned.—Roots very long, white, smooth, free from side roots, tender, sugary, and most excellent flavored; the best variety for a general crop. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

PEAS.

[*Pisum sativum*, LIN. *Pois*, FR. *Erbse*, GER. *Chicaros*, SP.]

CULTURE.—The planting for an early crop of garden Peas should be made in the Spring, as soon as the ground can be worked, in a warm, dry situation, and covered about three inches. The ground must be manured the year previous, or the Peas will be apt to grow too much to straw. Use thoroughly decomposed manure, if any, just before planting. The height to which all Peas grow depends in a great measure upon the richness of the soil and the wetness of the season. They are usually planted in double rows from three to four feet apart, and, those requiring it, bushed when about six inches high. The large and later sorts do better at a greater distance apart, leaving a broad space for planting low-growing vegetables between. They should be kept clean, and earthed up twice in their growth. As soon as the Peas are gathered the straw must be pulled and removed. In dry weather the Peas should be soaked five or six hours before planting, and if the ground is very dry they should be watered in the drills. From one to two bushels are generally required to an acre; one quart of the smaller sorts will sow about 120 feet, and of the larger sorts about 200 feet of drill.

15c. per pint, 25c. per quart, extra for postage on Peas if sent by mail.

Bliss's American Wonder.

EXTRA EARLY.

Bliss's American Wonder.—This variety is justly entitled to its position at the head of the list, and stands unrivaled in point of productiveness, flavor, and quality: a cross between the Champion and Little Gem, it combines, in a remarkable degree, the superior qualities of its parents, and is, without exception, the earliest wrinkled Pea in cultivation; Peas planted in June matured in 33 days. It is of dwarf and robust habit, growing from 10 to 15 inches high, and produces a profusion of good-sized and well-filled pods of the finest flavor. Per pkt. of ½ pt., 20 cents; pint, 65 cents; quart, $1.25; by mail, post-paid.

Philadelphia Extra Early.—Favorite market variety in the Southern States; very early. Per pkt., 10 cents; qt., 40; peck, $2.00; bush., $7.00.

Carter's First Crop.—An English variety; very early, productive, good flavor; grows 2½ feet high, the haulm being literally covered with pods. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $7.00.

Waite's Caractacus.—A very early sort, carefully selected from the well-known Dan O'Rourke; it has the same strong constitution, and is several days earlier. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $7.00.

William I.—Recently introduced; very early; one of the best green marrows. Per pkt., 10 cents; qt., 40; peck, $3.00; bush., $10.00.

Early Dan O'Rourke, Improved.—One of the earliest, and a very popular market variety; grows about three feet high; pods well filled; Peas of good size and quality. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $6.00.

Tom Thumb.—Very dwarf, not exceeding 9 inches in height, stout and branching; very early, of excellent quality, yields abundantly; it requires no sticks. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

Alpha.—One of the earliest wrinkled Peas; blue, of exquisite flavor, remarkable for its earliness and prolific bearing; it bears pods, well filled and of good size, down to the bottom of the haulm. Per pkt., 10 cents; qt., 50; peck, $2.50; bush., $9.00.

Extra Early Premium Gem.—Grows to the height of 18 inches; pods long and of a dark green color; very prolific, and one of the earliest. Per pkt., 10 cents; qt., 50; peck, $3.00; bush. $10.00.

Kentish Invicta.—A round blue variety, about 2 feet in height, very early, and of superior flavor. Per pkt., 15 cents; qt., 40; peck, $2.25; bush., $8.00.

Early Kent.—An early and very popular market variety, productive and well flavored. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $6.00.

EARLY PEAS.

McLean's Little Gem.—A dwarf, prolific, green, wrinkled Marrow; habit similar to the Tom Thumb; a great acquisition; very early; height 1 foot, require no sticks. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

McLean's Advancer.—A dwarf, green, wrinkled Marrow, of fine flavor, long pods, well filled up, very prolific; nearly as early as Dan O'Rourke; 2½ feet high. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

McLean's Blue Peter.—In general habit it is well described as a "Blue Tom Thumb," but possessing a more robust habit; it is earlier than Dan O'Rourke, very prolific, and of fine flavor. Per pkt., 10 cents; qt., 50; peck, $2.75; bush., $10.00.

Laxton's Prolific Early Long Pod.—Very productive, frequently averaging 11 to 12 Peas in a pod; for a second early Pea there is none equal to it; it is very hardy. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

Laxton's Supreme.—A variety of the green Marrows, with long, well-filled pods, literally covering the foliage; it is nearly as early as Dan O'Rourke, of a most delicious flavor. Per pkt., 10 cents; qt., 40; peck, $2.25; bush., $8.00.

GENERAL CROP.

Champion of England.—Universally admitted one of the best Peas grown; of delicious flavor and a profuse bearer; 3 to 4 feet. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $7.00.

Hair's Dwarf Mammoth.—Highly esteemed as one of the richest and best flavored late varieties in cultivation; grows from 2 to 3 feet, and is very productive. Pkt., 10 cents; qt., 50; peck, $2.75; bush., $10.00.

PEAS.—*Cont'd.*

Dwarf Blue Imperial.—A good bearer and fine flavored; a good Summer Pea; 3 feet. Per pkt., 10 cents; qt., 30; peck, $1.75; bush., $6.00.

New Wrinkled Sugar.—Edible pods, a new and fine flavored variety; 2½ feet. Per pkt., 10 cents; qt., 60; peck, $3.50; bush., $12.00.

Eugenie.—A first-class early white, wrinkled Marrow Pea, podding from the bottom of the haulm to the top with fine large pods; 3 feet. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $7.00.

Bishop's New Long Podded Dwarf.—A fine branching prolific variety; early productive, often producing 20 pods per stem, and of excellent quality; the plants should stand 4 to 6 inches apart in the line; 1½ feet. Per pkt., 10 cents; qt., 30; peck, $2.00; bush., $7.00.

Marrowfat Black-Eyed.—An excellent variety either for garden or field culture; grows about 4 feet high, with large and well-filled pods; a popular market variety. Per pkt., 10 cents; qt., 20; peck, $1.00; bush., $3.00.

Yorkshire Hero.—One of the most desirable varieties in cultivation; grows 2½ feet high; is very prolific and of delicious flavor. Per pkt., 10 cents; qt., 40; peck, $2.50; bush., $9.00.

Marrowfat Large White.—A favorite market sort; it grows about 6 feet high, with very large broad pods, well filled, of excellent quality, but late. Per pkt., 10 cents; qt., 25; peck, $1.00; bush., $3.50.

Dwarf White Marrowfat.—Similar to the foregoing, but of much dwarfer habit, and on that account preferable for small gardens. Per pkt., 10 cents; qt., 25; peck, $1.25; bush., $4.00.

Dwarf Sugar.—Edible pods; 2 feet; can be used in a green state, like string Beans. Per pkt., 10 cents; qt., 50; peck, $3.50; bush., $12.00.

Tall Sugar.—Edible pods; 5 feet. Per pkt., 10 cents; qt., 50; peck, $3.50; bush., $12.00.

British Queen.—Strong and vigorous, often attaining a height of 6 feet; superior quality; continues long in bearing; does not mildew in Summer. Per pkt., 10 cents; qt., 50; peck, $3.00; bush., $10.00.

Long Red.

Cherry Red.

Sweet Mountain, or Mammoth.

PEPPERS.

[*Capsicum*, LIN. *Piment*, FR. *Spanisher Pfeffer*, GER. *Pimiento*, SP.]

CULTURE.—Sow early in a hotbed, in the Northern and Middle States, or in the open ground, in a seed-bed, about the middle of Spring, in a light warm soil. Transplant when three inches high, one foot apart, in eighteen-inch drills, and earth up a little at one or two hoeings. Guano, hen-dung, or any other bird manure applied upon the surface and hoed in when the plants are about six inches high, will be found to increase the product.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large Bell, or Bull Nose.—Early, sweet and pleasant to the taste, less acrid or pungent than most other sorts. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $3.00.

Cayenne (true).—Pods small, cone-shaped, red, intensely acrid, and furnish the Cayenne Pepper of commerce. Used for pickles, also for making pepper-sauce. Per pkt., 10 cents; oz., 35.

Cherry Red.—A small, smooth, round variety, of dwarf growth. Fruit at maturity of a deep, rich, glossy scarlet color, remarkable for its intense piquancy. Per pkt., 5 cents; oz., 25; ¼ lb., 75 lb., $3.00.

Squash, or Tomato-shaped.—Skin smooth and glossy; when ripe, of a brilliant coral red; flesh thick, mild and pleasant to the taste; an excellent sort for pickling. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Sweet Mountain, or Mammoth.—Similar in shape to the Large Bell, but of much larger size; rind thick, fleshy and tender; much used for pickling, stuffed like mangoes. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Long Yellow.—Similar to the Long Red in shape and general appearance, excepting in color. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

Long Red.—Fruit brilliant coral red, conical, from three to four inches in length, from an inch to one and a half inches in diameter. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $3.00.

Sweet Spanish.—The earliest of all the varieties. The flesh is sweet, mild and pleasant. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Monstrous, or Grossum.—Fruit very large and of irregular shape; good for mangoes. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Spanish Monstrous.—Of cylindrical form, 6 inches long by 2½ inches in diameter. When ripe, the fruit is of beautiful coral red; sweet and thick flesh. Per pkt., 10 cents; oz., 50.

Chili.—Pods pendent, sharply conical, about two inches in length, half an inch in diameter, very piquant. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50; lb., $5.00.

New Oxheart.—Medium size, heart-shaped; productive, piquant; excellent for pickles. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.50.

New Cranberry.—Small, piquant, and of fine flavor. Per pkt., 10 cents; oz., 75; ¼ lb., $2.00; lb., $6.00.

East India.—A small, yellow, oval sort; very pungent; fine for pickles. Per pkt., 10 cents; oz., 75.

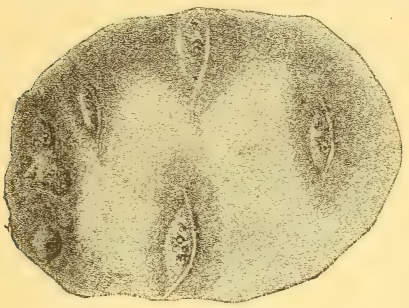
POTATOES.

(*Solanum Tuberosum*, LIN. *Pomme de Terre*, FR. *Kartoffel*, GER. *Potata*, SP.)

For cultural directions and a more complete list and description of each variety, see our Illustrated Potato Catalogue, which contains much valuable information upon their culture. 48 pages. Price, 10 cents.

NEW VARIETIES NOT BEFORE OFFERED.

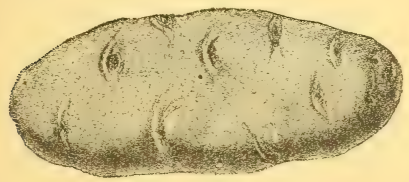
The following varieties have been carefully tested in various parts of this country as well as in Europe, and have met with the unqualified approval of all who have given them a trial. For exhibition purposes they are unrivaled, and have already secured many prizes.



EXTRA EARLY PEACH BLOW.

Although this variety is only now offered for the first time, it has during the past few years been carefully tested, and found of sufficient merit to warrant public introduction. It is a seedling of Early Vermont crossed with White Peach Blow, and possesses distinguishing qualities likely to rival the parent varieties in many desirable points. In habit of growth it bears a close resemblance to **Alpha**, the stalks being rather short, erect, and robust. The leaves are heavy in texture, and pointed. The tubers grow very compact in the hill; are flattish-round in form, and maintain a uniformity of size, on which account it is very desirable as a market variety. The skin is russety-white, with eyes blotched and shaded with delicate pink, although in some of the tubers this is hardly recognizable, or altogether wanting. In yield, it is nearly double that of Alpha, and being almost as early, is consequently eminently superior to that well-known sort. Flesh pure white, firm, fine-grained, and of excellent flavor.

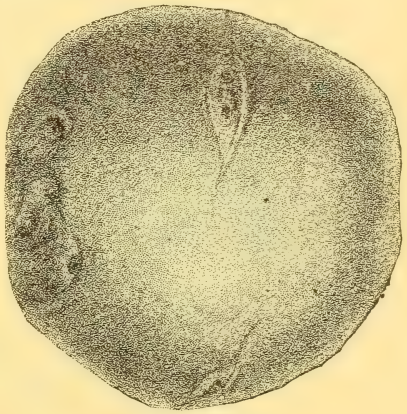
Price $1.00 per pound; three pounds to one address, $2.50, by mail, post-paid.



WHITE STAR.

For this new and perfectly distinct variety, we are indebted to E. S. Brownell, Essex Junction, Vt., now so long and favorably known as a successful potato hybridizer. The originator reports having selected it in 1875 from a collection of seedlings, raised from seed-balls of the **Excelsior**, fertilized with pollen from the **White Peach Blow**. The foliage is dense, dark green; vines strong, stocky, and vigorous, on which account it is well calculated to resist the ravages of the Colorado beetle. The tubers are oblong, large, uniform, and handsome; while in yield it has proved remarkably prolific, and so far has effectually resisted blight. It is medium early, and not the least important feature of this new potato is its excellent keeping qualities. In this respect it excels any other sort we know of. Whether baked or boiled, its cooking qualities are faultless; its purity of color, fine floury texture, and delicious flavor being unexcelled by any other variety. It is with great pleasure we introduce **White Star Potato**, feeling confident that its many merits will be duly appreciated, and secure for it high rank amongst its many competitors.

Price $1.00 per pound; three pounds to one address, $2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, $3.00; one peck, $5.00; half bushel, $7.00; one bushel, $12.00; bbl., $25.00.



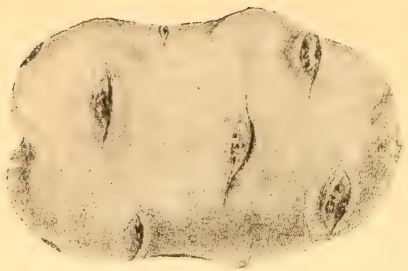
ADIRONDACK.

This new variety is the result of a hybridization of a favorite sort with the **White Peach Blow**, and takes precedence over that well-known standard sort on account of several distinct and commendable features. In habit, the vines are readily distinguished from those of the **White Peach Blow**, being more upright; the foliage is bright green, and the individual leaves rather large, which imparts a vigorous and robust appearance. The roots take a strong hold on the soil, enabling it to resist the evil effects of a prolonged drouth. It may be classed as a medium or second early variety. The tubers are red-skinned, remarkably symmetrical, being almost a perfect ball, and grow more in clusters than in the parent variety. It possesses excellent table qualities, being pure white in flesh, floury, and of faultless flavor. It is an abundant cropper, while its keeping qualities have so far been perfectly satisfactory.

Price $1.00 per pound; three pounds to one address, $2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, $3.00; one peck, $5.00; half bushel, $7.00; one bushel, $12.00; bbl., $25.00.

When the *three varieties* are ordered we make the following deductions:

One pound of each, $2.50; three pounds of each, $6.00, by mail, post-paid.



QUEEN OF THE VALLEY.

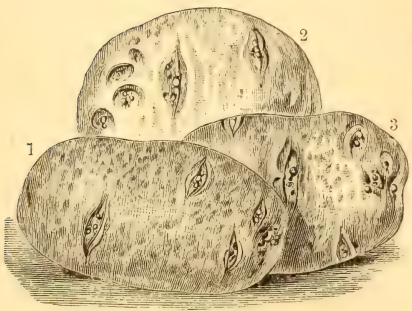
One-fourth average size.

QUEEN OF THE VALLEY.

One of the most prolific varieties in cultivation. Season medium; tubers very large, hardly any small ones; shape long, flattened, somewhat square cut at the ends; color, deep pink at the seed end, gradually changing to almost white at the stem end; cooks mealy without falling into pieces. Leaves large, thick, and dark green. The vines are large and unusually vigorous, protecting the ground from the direct rays of the sun, and resisting disease more than most other kinds which were grown with it. Its only fault, as a table potato, might be found in its enormous size, but its immense productiveness will, no doubt, make it of great value to all who appreciate the nutritive properties of potatoes as food for live stock of all kinds.

75c. per pound; three pounds, $2.00, by mail, post-paid. By express or freight, at expense of purchaser, $2.00 per peck; $5.00 per bushel; $12.00 per bbl.

VARIETIES OF 1880.



No. 1.—PRIDE OF AMERICA.

This superb variety was raised by Mr. E. S. Brownell, to whom we are already indebted for a number of well-known and valuable varieties. It closely resembles the well-known Snowflake, but ripens a few days later, and is adapted to a greater variety of soils, more productive, grows to a larger size, and produces but a very few small tubers, and, so far, has shown no signs of disease. Flesh exceedingly fine-grained and of snowy whiteness. It is an excellent keeper, and retains all its good qualities throughout the entire season.

No. 2.—MATCHLESS.

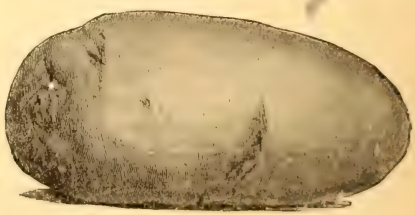
This excellent variety was raised from a seed-ball of the Early Rose, fertilized with the White Peach Blow. The tubers are generally round, but occasionally oblong and flattened; very handsome and symmetrical in form; skin slightly russeted, pale red, except the eyes and seed end, where it is much brighter; eyes slightly depressed. Flesh fine grain, pure white, of excellent quality. It is a great cropper, an excellent keeper, and has never yet shown any signs of disease. It ripens with the **Peerless,** and will be found equally valuable for the general crop. Its attractive appearance, great productiveness, and fine quality make it one of the most valuable varieties for the market.

No. 3.—SILVER SKIN.

This variety was raised by one of our most successful cultivators from a cross of the Early Rose and the White Peach Blow. It resembles the **Peerless** in many respects, but is **earlier,** of **better quality,** and more productive than that favorite variety. Tubers medium to large, with very few small ones. Skin smooth, silvery white—in some soils slightly russeted. Flesh of snowy whiteness, fine grain, and well-flavored. It is entirely free from disease, and a most excellent keeper.

Price of each of three above named varieties, 60 cents per pound, or three pounds to one address, free by mail, for $1.25. By express or freight, at the expense of the purchaser, half peck, $1.00; peck, $1.50; half bushel, $2.50; bushel, $4.00; barrel, $8.00.

When the three varieties are ordered, we make the following deductions: one pound of each, $1.50, or three pounds of each, free by mail, for $3.50. By express or freight, at the expense of the purchaser, one peck of each, $3.50; half bushel of each, $6.00; bushel of each, $10.00; barrel of each, $21.00.



SUTTON'S MAGNUM BONUM.

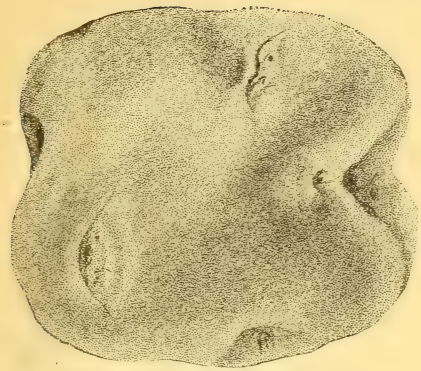
A new English variety, considered in England as best of all, was introduced here by us two years since, and now ranks as one of the best and most useful varieties in cultivation. It combines great productiveness with excellent flavor, while its power of resisting disease and late-keeping properties render it invaluable both for gentlemen's and cottagers' gardens, as well as for field culture. It may be cooked directly it is taken from the ground, or may be kept till other varieties are useless. It has proved the best of fifty English and Continental varieties grown by us the past year.

Per peck, $1.25; per bushel, $3.50; per barrel, $7.50; By mail, 60 cents per pound; three pounds, $1.25.

AMERICAN MAGNUM BONUM.

Quite distinct from the English Potato of the same name.

During the past season, this variety has been subjected to the most critical tests by eminent agriculturists in many sections of the country. From all



AMERICAN MAGNUM BONUM.

One-fourth average size.

quarters the report comes, that it possesses several of the most essential qualities to render it a standard sort wherever introduced. It is an early variety, maturing a few days after the Early Rose, while in productiveness it surpasses that popular variety. The tubers are unusually large, of excellent table qualities, and keep well. We recommend it to our customers as worthy of a trial.

LATE BEAUTY OF HEBRON.

This new late variety was first discovered in a field of the Early Beauty of Hebron, and stands in the same relation to that variety as the Late Rose and Late Snowflake do to their respective prototypes. It is remarkably productive; tubers oblong and of extra size; skin and flesh white; table properties of the highest order, and keeps well.

Price of each of the two varieties: per peck, $1.25; per bush., $3.50; per bbl., $7.50. By mail, 60 cts. per lb.; 3 lbs., $1.25.

GENERAL COLLECTION.

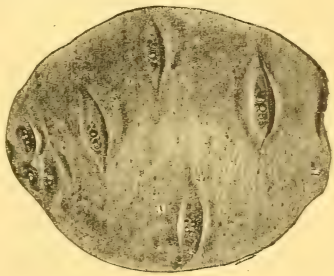
THE TWO EARLIEST POTATOES IN CULTIVATION.

ALPHA.

The earliest variety in cultivation. Matures its crop fifteen days in advance of the Early Rose. Tubers of medium size; white, with a slight tinge of red about the eyes; flesh very white, fine grain, dry and of excellent flavor; stalks dwarf, seldom exceeding a foot in height. A superior variety for forcing; has matured its crop in fifty-five days. Per peck, $1.25; bush., $3.00; bbl., $7.00. By mail, 60 cents per lb.; 3 lbs., $1.25.

BLISS'S TRIUMPH.

This is one of the most attractive in appearance of any that we have yet offered, and will also compare favorably with the best of them in quality. It was raised from a seed-ball of the Peerless, crossed with a seedling of the Early Rose. It is much more productive than the Early Rose, and matures its crop at least seven days in advance of that favorite sort, before the second crop of beetles appears. In color and form it resembles the Garnet Chili, though greatly improved in form and quality, and strongly resembles the early varieties from Bermuda; flesh fine grain and of excellent flavor.



BLISS'S TRIUMPH.

Is an excellent keeper; not inclined to sprout early.

Price, 60 cents per pound; three pounds to one address, $1.25 by mail, post-paid. By express or freight, charges to be paid by the purchaser, peck, $1.25; bush., $2.50; bbl., $6.00.

Mammoth Pearl. — This variety, introduced in 1878, has proved a great favorite wherever tried. Of good table qualities, handsome in appearance, free from rot, and never hollow; skin white, and flesh whitest of any variety. For the table it cooks like a ball of flour. It ripens in August, very productive. 1 peck, $1.00; half bushel, $1.50; 1 bushel, $2.50; 1 barrel, $5.00.

Beauty of Hebron.—A fine cropper of excellent quality, ripens with the Early Rose, and equally valuable as a market variety. Per peck, $1.00; bush., $2.00; bbl., $4.50.

Early Ohio.—A seedling of the Early Rose, resembling it in color. It is oblong in shape, and round instead of oval. The quality is excellent; earlier than Rose; a desirable market variety. Per peck, $1.00; bush., $2.00; bbl., $4.00.

Dunmore.—Skin and flesh white, tubers large and handsome; a fine table variety; it somewhat resembles the Peerless, but it surpasses that well-known variety in both yield and quality. Per peck, $1.00; one bush., $2.00; one bbl., $4.00.

GENERAL COLLECTION—*Cont'd.*

EARLY SNOWFLAKE.

Early Snowflake.—This favorite variety possesses more good qualities than any variety heretofore introduced. It ripens about a week later than the Early Rose; shape symmetrical and uniform, size medium; skin white with russety tinge; flesh fine grain, snow white when cooked, and of a lightness and porosity almost approaching a snowflake. Its mealiness, pure, delicate flavor, and the evenness with which it cooks through, have never been excelled by any potato. It always wins a prize wherever it is exhibited. Per peck, $1.00; bush., $2.00; bbl., $4.00.

Late Snowflake.—A sport of the Early Snowflake, and fully equal to that favorite variety in quality and appearance, ripening three weeks later; very productive. Per peck, $1.00; bush., $2.00; bbl., $4.50.

Early Rose.—This was the first of Mr. Bresee's seedlings, offered by us in January, 1868, and has now become the standard variety for earliness, quality, and productiveness. Per peck, 75 cents; bush., $2.00; bbl., $4.00.

Late Rose.—This variety ripens two or three weeks later than the Early Rose; hardy, productive, and keeps well. Per peck, 75 cents; bush., $2.00; bbl., $4.00.

Extra Early Vermont.—Similar in color, form, and general appearance to the Early Rose. It is, however, earlier, more hardy, more productive, and of better quality. Per peck, 75 cents; bush., $2.00; bbl., $4.00.

Climax.—Early uniformly large, long, cylindrical, skin white, eyes sharp, shallow; flesh white and solid, early prolific, hardy, healthy, and of excellent quality. Per peck, $1.00; bushel, $2.50; bbl., $5.00.

Burbank's Seedling.—A white-skinned medium early variety, seedling of the Early Rose, of fine form and good proportions. Flesh of fine grain and of excellent flavor. It produces a large crop of handsome tubers, nearly all of which are marketable. Per peck, $1.00; bush., $2.00; bbl., $4.00.

Bliss's Improved Peach Blow.—A cross between the "Jersey Peach Blow" and "Excelsior." Taking all its points together, it may be considered a rejuvenated and re-invigorated "Peach Blow," combining all the best qualities of that general favorite, in its best days, with the additional advantages of earlier ripening and compacter growth. Per peck, $1.00; bush., $2.00; bbl., $4.00.

Peerless (Bresee's No. 6).—One of the very best varieties for general culture. Per peck, 75 cents; bush., $2.00; bbl., $4.00.

When ordered in lots of 3 bbls., 25 cents per bbl., or 5 bbls., 50 cents per bbl., may be deducted.

ENGLISH AND FRENCH POTATOES.

Our assortment of European Potatoes contains about forty of the very best varieties cultivated, and were in nearly all the winning stands at the International Potato Exhibition, London, for the past two years, and are highly recommended both for their extra fine quality and productiveness. One pound of either variety will be mailed post-paid for 75 cents. They are also offered in collections of one tuber each.

Collections of 5 varieties, 1 tuber each.....$1.50 Collections of 20 varieties, 1 tuber each.....$5.00
" 10 " 1 " " ..... 2.75 " 40 " 1 " " 8.00

The Great Centennial Exhibition of 500 named varieties of Potatoes. The largest collection in the world, for which was awarded The Grand Centennial Prize Medal and Diploma.

One tuber of each variety of the entire collection, correctly labeled, carefully packed, expressage or postage prepaid, for $100.00.

Collections of 250 varieties, one tuber of each, for $50.00; 100 varieties for $25.00; 50 varieties, $15.00; 25 varieties, $8.00.

A NEW EARLY SWEET POTATO.

EARLY GOLDEN.

This variety originated in Virginia a few years since, by an old cultivator of the Sweet Potato. It is a sport of the old **Early Red**, but said to be far superior to that variety in earliness, productiveness, color, and quality. Slips planted May 10th produced tubers large enough for the market July 25th. On account of its early maturity, it is believed to be better adapted for cultivation in the Northern States than any other variety. In shape they are somewhat shorter than the ordinary varieties, of a golden yellow color, cook very dry, and are of superior flavor. Another valuable consideration in favor of this variety is, that they will grow on quite ordinary soil with but a slight coat of manure, and yielded a large crop the past season upon land that would not grow above fifteen bushels of corn to the acre. In good soil they will produce many specimens weighing three to five pounds each. It is also an excellent keeper. From what we can learn from those who have tested this variety, we think it will prove the most valuable in cultivation.

We first offered this variety in spring of 1880, and have received many favorable notices from those who have tested it. It matured its crop as far north as Canada. Specimens have been exhibited weighing 6 pounds. Slips ready about May 15th; tubers, early in April.

Price of slips, with directions for planting, by mail, post-paid, 50 cents per dozen; $1.00 for fifty; $1.75 per hundred. By express, at purchaser's expense, $1.25 per hundred, $10.00 per thousand.

Price of Tubers, 75 cents per pound; 3 lbs. $2.00 by mail. By express, at purchaser's expense, 1 lb., 50 cents; 5 lbs., $2.00; 20 lbs., $5.00; 50 lbs., $10.00.

Directions for propagation will be sent to applicants.

PRINGLE'S HYBRIDIZED POTATO SEED.

The extraordinary success which has attended Mr. Pringle in his attempts to improve this valuable esculent has encouraged him to still greater efforts in his favorite pursuit of hybridization, and we have now the pleasure of offering a very choice strain of seed saved by him, which is the product of numerous hybridizations between the above named and many of the best new and old varieties in cultivation, both English and American. Full directions for sowing accompany each packet. Price, 25 cents per packet, 5 packets $1.00.

PUMPKIN.

[*Cucurbita pepo*, LIN. *Potiron*, FR. *Kurbis*, GER. *Calabaza*, SP.]

CULTURE.—These can be grown on any good soil that is warm. They are excellent for pies, and for feeding to cows. They are usually planted in corn-fields where the vines can grow to a great length, but can be profitably raised in fields by themselves. Plant in hills eight feet apart. One pound of the common field sorts will plant from two hundred to three hundred hills.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large Cheese.—Hardy, very productive, and is much superior in all respects to most of the field grown sorts. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 60.

Cashaw.—Similar in many respects to the common Crookneck Winter Squash. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., 85.

Connecticut Field.—A large yellow variety, the best for field culture. Per pkt., 5 cents; oz., 10; ¼ lb., 15; lb., 35.

Large Tours, or Mammoth.—French; very productive, large size, often weighing one hundred to one hundred and fifty pounds. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

RADISH.

[*Rhaphanus sativus*, LIN. *Radis, Rave, Petite Rave*, FR. *Rettig, Radies*, GER. *Rabano*, SP.]

CULTURE.—The soil for Radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use they may be sown on gentle hotbeds in February, and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession, as long as they may be wanted. The Turnip-rooted and the Olive-shaped are the best for sowing in the Summer. The Winter varieties should be sown in August and lifted before severe frost, and stored in the cellar. One ounce will sow about one hundred square feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Earliest Scarlet Erfurt.—The earliest variety, short-leaved; the finest sort for forcing. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Early Scarlet Turnip.—Small, round, red, turnip-shaped; small top; quick growth; mild and crisp. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Early Purple Turnip.—Color deep purple, very early, and of fine flavor. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

White Turnip.—Like the scarlet in shape, but in color pure white. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

French Breakfast.—A quick-growing variety of Radish, and one of the best for early forcing. It is of oval form, color scarlet, tipped with white. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., 85.

Early Short Top, Long Scarlet.—This is the standard sort grown for private gardens and for market; when pure and true it has a bright scarlet root, and very small top. Per pkt., 5 cents; oz., 10; ¼ lb. 20; lb., 60.

Olive-Shaped, Golden Yellow Summer.—Sort of oval form, very early; adapted both for forcing and the open ground. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Olive-shaped, Violet, White-tipped.—This new sort is equally as constant and as attractive for table decoration as the French Breakfast Radish. Per pkt., 10 cents; oz., 20; ¼ lb., 60; lb., $2.00.

Olive-Shaped Scarlet.—A very early and handsome variety, nearly allied to the Scarlet Turnip; of a lively rose color and oblong shape. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 85.

Olive-Shaped White.—Same as preceding, except in color. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 85.

Yellow Turnip.—The very best to stand the heat and drought of Summer. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 85.

Long Salmon.—Longer and lighter colored than the above, with a larger top; a few days later. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Russian Frame.—A valuable acquisition. Sown under glass it comes into use rapidly, and in the open ground, four or five weeks from time of sowing. The root exceeds ten inches in length, and is of an average thickness throughout of about an inch. The flesh is white, delicate, and fine flavored. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Long White Naples.—Root long and slender; skin white when exposed to the light, tinged with green; flesh white, crisp and mild. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., 85.

Rose Colored China Winter.—Form rather conical and very smooth; of a lively rose color; flesh firm and pungent. Per pkt., 10 cents; oz., 15; ¼ lb., 40; lb., $1.00.

White China Winter.—Except in color, this variety is similar to the above. Per pkt., 10 cents; oz., 15; ¼ lb., 40; lb., $1.25.

Black Spanish Winter, Long.—Of very large size and firm texture, with dark green leaves. It must be stored in sand in the cellar for Winter use. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Black Spanish Winter, Round.—Similar to the above, except in form. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

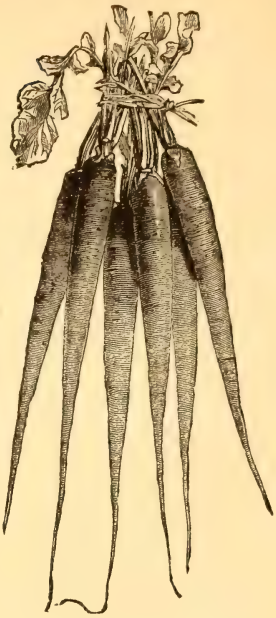
White Spanish Winter.—Similar to the foregoing, except in color. Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.25.

Russian, Very Large, White.—The largest of all Winter Radishes, sown in June; it easily produces roots weighing three pounds. Good quality. Per pkt., 10 cents; oz., 20; ¼ lb., 60.

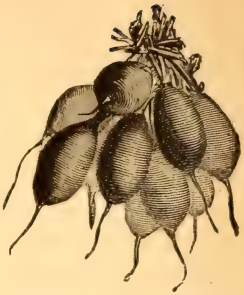
California Mammoth White Winter.—Introduced into California by the Chinese; it grows to a large size, flesh white, firm, and of good flavor; a most valuable acquisition. Per pkt., 10 cents; oz., 15; ¼ lb., 50; lb., $1.50.

Raphanus Caudatus, or Rat-Tail Radish.—Produces in a short time pods from two to three feet long, which may be used either boiled as a salad, or in pickles. Per pkt., 10 cents; oz., 50.

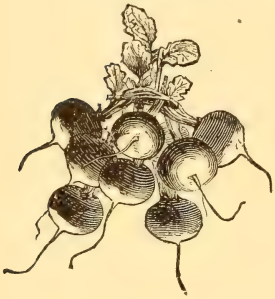
Early Scarlet Turnip.



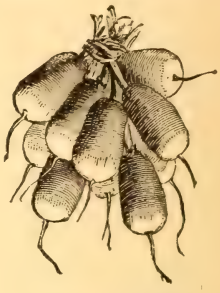
Long Scarlet Short Top.



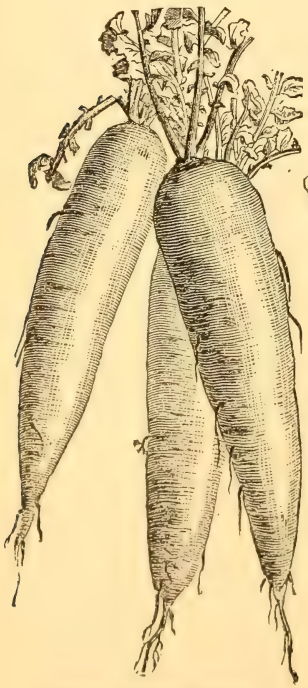
Scarlet Olive-Shaped.



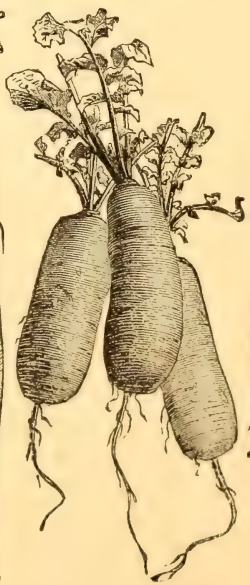
Scarlet Turnip White Tipped.



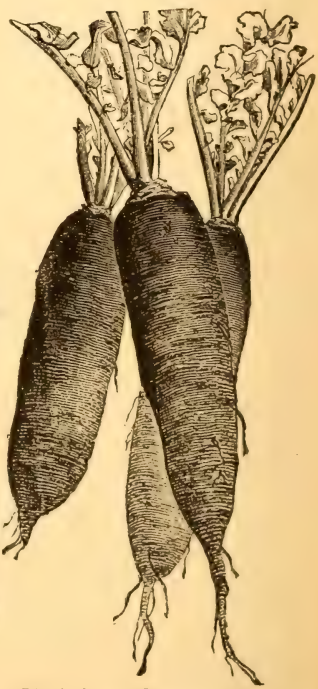
French Breakfast.



California White Winter.



Scarlet China Winter.



Black Long Spanish Winter.

RADISHES.

RHUBARB.

[*Rheum hybridum*, LIN. *Rhubarbe*, FR. *Rhabarber*, GER. *Ruibarbo bastardo*, SP.]

Sow in Spring, in a seed-bed, in drills one foot apart. Cultivate well during the season, and in the Autumn or following Spring the roots should be transplanted into deep, rich soil, from three to four feet apart. They are fit for use about the third Spring after planting. The most expeditious mode to procure a supply is to plant roots already grown, which will come into use immediately.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Victoria.—Large, fine for cooking. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.00.
Linnæus.—Large, tender, and very fine. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.00.
Roots.—25 cents each; $2.00 per dozen. By mail, 40 cents each; $4.00 per dozen.

SQUASH.

[*Cucurbita melo-pepo*, LIN. *Courge*, FR. *Kurbiss*, GER. *Calabaza tontanera*, SP.]

Squashes are cultivated for their fruit, which is much esteemed as a vegetable, when cooked or made into pies. There are numerous varieties, mostly yellow, pale green, mottled or striped. They are also smooth, warty, soft, and hard, and are classified into "Summer," "Winter," "Bush," and "Running."

CULTURE.—Being a very tender vine, the Squash is so sensitive of cold, that it cannot be planted with safety in the Middle and Northern States before the middle of May. The hills should be highly manured, and prepared in a similar manner to those for Cucumbers, all sorts thinned to not more than three plants to a hill.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Yellow Bush Scolloped.—An early, flat, scolloped-shaped sort, of a deep orange yellow Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 80.

Early White Bush Scolloped.—Similar in shape to the Yellow, light cream-colored. Both varieties are called "Patty-Pan" in the Southern and Middle States. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 80.

Early Bush Summer Crookneck.—The richest and best sort for Summer; very early and productive. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 80.

The three foregoing sorts should be planted four feet apart.

Boston Marrow.—Form ovate, pointed; rind extremely thin, bright orange or salmon colored; flesh deep orange, finely grained, and excellent flavored. It keeps well in Winter, and will boil as dry as a potato. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Turban, or Turk's Cap.—A most excellent late table variety. Flesh orange yellow, thick, fine grained, sugary, and well flavored; light, dry soil. Per pkt., 10 cents; oz., 15; ¼ lb., 40; lb., $1.20.

Yokohama.—From Japan. The surface is strongly ribbed, of a pale green color; when fully ripe is of a uniform dull orange color. The flesh is of a deep, orange color, finely flavored, sweet and dry, very fine grained, and without any fiber; a good keeper. Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Canada Crookneck (True).—A small, early variety of the Winter Crookneck. One of the best for keeping, and when hung up in a dry room, of even temperature, will often keep good until the crop is gathered the following year. Per pkt., 10 cents; oz., 20; ¼ lb., 50; lb., $1.50.

Hubbard.—The best table Squash yet known, good specimens being about equal in quality to the Sweet Potato. It has a hard shell, and will keep three months later than the Marrows. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Fall or Winter Crookneck.—The kind most generally cultivated in New England for Fall and Winter; neck long and solid; color pale yellow, sometimes striped. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Mammoth.—Very large, often attaining the weight of two hundred pounds; excellent for pies or stock; very productive. Per pkt., 25 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Marblehead.—The flesh is rather lighter color than the Hubbard, while its combination of sweetness, dryness, and delicious flavor is something really remarkable. Per pkt., 5 cents; oz., 10; ¼ lb., 35; lb., $1.00.

Butman.—In size and productiveness it resembles the Hubbard; it has a thick shell and is thick-meated; dry, sweet, and delicious; in its prime from October to January. Per pkt., 5 cents; oz., 15; ¼ lb., 50; lb., $1.50.

Cocoanut.—A magnificent little squash for table use, and very prolific. The color is an admixture of cream and orange, the latter predominating in the depressions between the ribs, while the bottom is of a rich grass-green. The flesh is fine-grained, very solid and of excellent quality. Per pkt., 10 cents; oz., 20; ¼ lb., 50; lb., $1.50.

Custard Marrow.—An English Summer variety; shape similar to the Scolloped; very delicate flavor, highly recommended. Per pkt., 25 cents.

Vegetable Marrow.—A favorite English sort; skin greenish yellow; flesh white, soft, rich flavor. Per pkt., 10 cents; oz., 25; ¼ lb., 80; lb., $3.00.

SALSIFY, or OYSTER PLANT.

[*Tragopogon porrifolius*, LIN. *Salsifis*, FR. *Bocksbart*, GER. *Ostra vegetal*, SP.]

CULTURE.—The soil should be light and mellow, full two spits deep, that the long tap-root may run down straight. Sow the seed early in Spring, in drills eight inches apart. When two or three inches high thin them to about six inches apart. They are ready for use in October, and continue good through the Winter and early Spring. For Winter use take up a portion before severe frost, and house them like Carrots or Parsnips. Those remaining in the ground should be dug in early Spring, before commencing their growth. One ounce of seed will sow fifty feet of drill.

The roots are boiled or stewed like Carrots, or half boiled and grated fine, made into small, flat balls and dipped in a batter, and fried like Oysters, which they strongly resemble. The young flower stalks, if cut in the Spring of the second year and dressed like Asparagus, resemble it in taste.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 25; ¼ lb., 65; lb., $2.25.

GROUP OF SQUASHES.

1.—Boston Marrow Squash.
2.—Canada Crookneck.
3.—Hubbard.
4.—Mammoth.
5.—French Turban.
6.—Improved Turban.

SCOLYMUS (Spanish Oyster Plant).

[*Scolymus Hispanicus*, LIN.]

CULTURE.—Any good garden loam is adapted to the growth of the Scolymus. It should be well and deeply stirred as for other deep-growing root crops. Sow the seeds from the middle of April to the first of May in drills one inch deep and one foot apart. Thin the young plants to five inches apart in the rows, and during Summer treat young crops as Parsnips or Carrots.

As a vegetable it is used in the same manner as Salsify.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

SCORZONERA.

[*Scorzonere*, FR. *Skorzonere*, GER. *Escorzonera*, SP.]

Similar in many respects to Salsify, and is called by some Black Salsify or Black Oyster Plant. Culture the same as recommended for Salsify. They may be boiled like the parsnip and served plain at the table, or they may be cooked like the Salsify. Before cooking, the outer coarse rind should be scraped off, and the roots soaked a few hours in cold water to extract their bitter flavor.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 25; ¼ lb., 75; lb., $2.00.

SEA-KALE.

[*Crambe maritima*, LIN. *Crambe maritime*, FR. *Selkohl meerkohl*, GER. *Breton de mar*, SP.]

CULTURE.—Cultivated for its blanched shoots, which are cooked as Asparagus. A supply may be had all Winter by planting the roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next Spring plant in hills three feet apart.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

SNAILS.

[*Medicago orbicularis.*]

CULTURE.—Sow the seeds early in Spring, in drills fifteen inches apart, thin out to about six inches. They will blossom in July and the seeds will ripen in Autumn. Though entirely inoffensive no part of the plant is used for food. The pods resemble some species of snails, and are placed on dishes of salad to excite curiosity or surprise among the guests at a table. Per pkt., 10 cents.

SORREL.

[*Rumex acetosa*, LIN. *Oseille*, FR. *Sauerampfer*, GER. *Acedera*, SP.]

CULTURE.—The soil should be rich and moist, in shallow drills twelve inches apart; thin out to six inches.

The leaves possess a pleasant acid taste, and are mixed with salads, to which they impart an agreeable refreshing flavor.

Large Leaved French.—Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., $1.00.

SPINACH.

[*Spinacea oleracea*, LIN. *Epinard*, FR. *Spinat*, GER. *Espinaca*, SP.]

CULTURE.—For the Summer crop sow early in March, and at intervals of three weeks or a fortnight, until the middle of July, in quantities according to the demand. The round seeded varieties are the best for Summer crops. The Winter crop should be sown from the middle of August to the beginning of September; the prickly seeded is the hardiest, and should be partly used for this crop. All the crops should be sown in drills from one to two inches deep, and from twelve to eighteen inches apart, scattering the seed thinly, and covering them with the finest of the soil. Protect the Winter crops on approach of severe frost with a little straw or evergreen boughs.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Round, or Summer.—Has a smooth, round seed; thick, fleshy leaves, a little crimped; generally preferred for Spring sowing. Per pkt., 5 cents; oz., 10; ⅛ lb., 15; lb., 40.

Prickly, or Fall.—This is the hardiest variety; prickly seeded, with triangular, oblong, or arrow-shaped leaves. Mostly employed for Fall sowing. Per pkt., 5 cents; oz., 10; ⅛ lb., 15; lb., 40.

Extra Large Round-Leaved Viroflay.—A splendid variety of the Lettuce-leaved Spinach, but with leaves much longer and broader, round, thick, and fleshy, dark green. Young plants transplanted into a rich soil will grow to an enormous size. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 50.

Flanders.—A productive variety; large, broad leaves; seed round; quite hardy. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 50.

Lettuce-leaved.—A new sort of very superior quality; leaves large, thick, and deep green; seed, round; best suited for Spring sowing. Per pkt., 5 cents; oz., 10; ⅛ lb., 20; lb., 50.

New Zealand.—This plant grows very large and luxuriant in warm, rich soil. It will endure severe drought, which is its greatest advantage, and produces a large quantity of leaves during Summer. The plants should stand two or three feet apart. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

TOMATO.

[*Solanum lycopersicum*, LIN. *Tomate*, FR. *Liebesapfel*, GER. *Tomates*, SP.]

CULTURE.—For early use sow in February or March, in boxes or pots, and place near a window or in a hotbed. When about two inches high prick them out singly in small pots, and nurse carefully in frames, and when the danger of frost is past plant them out in a sheltered situation, where they may have the full influence of the sun. To hasten the maturity of the first fruit which sets, pinch off the extremities of the tops and all the secondary shoots which afterwards appear above the flowers.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

A NEW EARLY TOMATO.

Livingston's Perfection.—A new early variety of considerable merit, introduced by the raiser of **Acme** and **Paragon**, who describes it as being "as early as **Canada Victor**, of a blood-red color; perfectly smooth, ripens uniformly, and bears abundantly until frost comes; free from seeds; bears transportation well, while for canning purposes it surpasses any hitherto offered." Per pkt., 25 cents.

Acme.—One of the earliest varieties in cultivation; produces an abundance of handsome medium sized fruit, of a dark red color, slightly tinged with purple; has but few seeds, is free from core, and of delicious flavor. Per pkt., 10 cents; oz., 50; ¼ lb., $1.25; lb., $4.00.

Little Gem.—The earliest variety known; bright red color, uniform in size and shape, and handsome in appearance. It may be relied upon to yield several pickings, a week or ten days earlier than any other variety. Per pkt., 10 cents; oz., 50; ¼ lb., $1.50.

Queen.—A recent introduction, somewhat resembling the Trophy in general appearance. It is specially recommended for canning, and around Baltimore is extensively grown for this purpose. Per pkt., 10 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Paragon.—A second early variety; fruit large; color, a bright glossy crimson; smooth, solid, of excellent flavor; bears transportation well; very productive; an excellent market variety. Per pkt., 10 cents; oz., 40; ¼ lb., 1.00; lb., $4.00.

Vick's Criterion.—Fruit of medium size, nearly round; of fine flavor; medium early, productive; an excellent variety for forcing. Per pkt., 10 cents; oz., 40; ¼ lb., $1.00; lb., $3.50.

Conqueror.—First introduced by us in 1874, and until the introduction of the Little Gem the earliest in cultivation; the fruit ripens very nearly at the same time; of good size, uniform in shape and size; its color is a deep red; its flesh is solid, of rich, mild flavor; it ripens well up to stem, and is exempt from cracking. Per pkt., 10 cents; oz., 25; ¼ lb., 85; lb., $3.00.

Green Gage Tomato.—A new English variety of medium size, resembling a bright yellow plum in shape and color, with a distinct, piquant and highly agreeable flavor. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Canada Victor.—An early variety, originating in Canada; fruit solid and of rich flavor. Per pkt., 5 cents; oz., 30; ¼ lb., $1.00; lb., $2.75.

Golden Trophy.—A sport from the well-known Trophy; the fruit is almost an exact counterpart of the Trophy in form and size, of a beautiful light yellow or straw color, occasionally faintly streaked with red; a desirable acquisition for preserving, as well as for the table; superior for the South. Per pkt., 10 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Arlington.—Fruit large, perfect in form, bright red, solid; it is very productive, of fine flavor, and the best variety for canning. Per pkt., 5 cents; oz., 30; ¼ lb., $1.00; lb., $2.75.

Early Smooth Red.—Very early, smooth, round, of medium size, productive, of good quality. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.50.

General Grant.—Round, slightly flattened, very symmetrical; color brilliant glossy crimson; flesh solid, skin smooth and shining, coloring well up to the stem; very productive and of fine flavor. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Trophy.—Fruit very large, generally smooth, solid; ripens early, and is of fine quality; our seed is all saved from selected specimens. Per pkt., 10 cents; oz., 50; ¼ lb., $1.25; lb., $4.00.

Hathaway's Excelsior.—Early, of medium size, uniformly round, very solid, of excellent quality, and very productive; an excellent market variety. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Large Smooth, or Round Red.—Smooth and fair, color bright red; an excellent market variety. Per pkt., 5 cents; oz., 25; ¼ lb., 75; lb., $2.50.

Lester's Perfected (Fejee Island).—Fruit of large size, pinkish red; of fine flavor. Per pkt., 5 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Large Yellow.—About the size and shape of the Smooth Red; color bright yellow. Per pkt., 5 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Yellow Plum.—Shape uniformly oval, and perfectly smooth; color lemon yellow; used for preserves. Per pkt., 5 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

Red Cherry.—A small, round, red Tomato, of the shape and size of a cherry; fine for pickling. Per pkt., 5 cents; oz., 30; ¼ lb., $1.00; lb., $3.00.

New Erect French, or Tree (*Tomate de Laye*).—Distinct from all others, of upright growth, in the form of a bush; fruit solid and of fine quality. Per pkt., 10 cents; oz., $1.50.

Strawberry, or Ground Cherry (*Physalis Edulis*).—An entirely distinct variety; the fruit has a juicy pulp, of a pleasant strawberry-like flavor, with a certain degree of sweetness and acidity intermixed; with the addition of lemon juice it is frequently preserved like plums. Per pkt., 10 cents; oz., 30; ¼ lb., $1.60; lb., $3.00.

TOBACCO SEED.

Directions for cultivation, curing and preparation for the market will be furnished with the seed.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Connecticut Seed Leaf.—We have made special arrangements with one of the most successful tobacco cultivators in the valley of the Connecticut to furnish us with the seed of this popular variety, which is saved from selected plants, and can be guaranteed of the best quality. Per pkt., 10 cents; oz., 35; ¼ lb., $1.00; lb., $3.00.

Havana.—Imported seed. Per pkt., 15 cents; oz., 50; ¼ lb., $2.00; lb., $6.00.

Maryland and Ohio.—Per pkt., 15 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

Kentucky.—Per pkt., 15 cents; oz., 40; lb., $4.00.

Porto Rico.—Imported seed. Per pkt., 20 cents; oz., 75; ¼ lb., $2.50; lb., $8.00.

Salenichi.—Very large leaves. Per pkt., 25 cents; oz., $1.00; ¼ lb., $3.00; lb., $10.00.

Virginia, James River.—Per pkt., 15 cents; oz., 40; ¼ lb., $1.25; lb., $4.00.

The following are recommended for trial:

Latakia, Chiras, Gundi, Brazilian, Manilla, Laplata, Cavalo.—Each, 25 cents per pkt.; 5 pkts., $1.00.

TURNIP.

[*Brassica rapa*, LIN. *Navet*, FR. *Rube*, GER. *Nabo*, SP.]

CULTURE.—For the Spring crop, sow the Early White Dutch, or the "Strap-leaved" sorts as early as the seed can be got into the ground, in fourteen-inch drills, and thin to five or six inches. For the Fall and main crop, sow, at the North, from the middle of July to the last of August, in drills, as directed for the Spring sowing. In the field, Turnips are more generally sown broadcast, though much the largest crops are obtained by drill culture. Land newly cleared and burnt over, and old pasture ground, plowed two or three times during the Summer, and well manured with thoroughly rotted manure or guano, and ashed at the time of sowing, will produce the clearest and sweetest Turnips. The sowing should always be done just before a rain, if possible, for the escape from the fly; and the success of the crop in a great measure depends upon quick germination, and a rapid and free growth at first. One ounce of seed will sow 1,000 square feet; an acre will require from one to two pounds.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

WHITE FLESH VARIETIES.

Early Flat Dutch, or Spring Turnip.—Size medium; white, of quick growth. For Spring or Fall. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

White Top Strap-leaved.—Form roundish or flat, medium size, small tops; few leaves, which are entire, upright; tap-root, small; one of the best. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Red Top Strap-leaved.—This variety has the form and character of the White-topped, except in color, which is red or purple above ground. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Purple Top, White Globe.—A new and improved variety of the preceding; of globular shape, very handsome, and of superior quality, either for the table or stock; an excellent keeper, and a fine market variety. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

White Globe.—Root globular, skin smooth, perfectly white, flesh white. It grows to a large size. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Large White Norfolk.—Large size; skin white below the surface, but sometimes greenish above. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 60.

Long White, or Cow Horn.—Flesh white, fine grained, and sweet; keeps well, and is one of the best of all for culinary purposes. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Early White Egg.—A new and desirable variety for the table; of rapid growth and of fine quality. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

YELLOW FLESH VARIETIES.

Yellow Malta.—A beautiful, symmetrical, small-bulbed, early variety; skin smooth, bright orange yellow. Per pkt., 5c.; oz., 10; ¼ lb., 30; lb., $1.00.

Petrowski.—Flesh dark yellow, similar in form to Egyptian Beet. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., $1.00.

Early Yellow Finland.—A beautiful medium-size variety. The flesh is tender, close-grained; of a sweet, sugary flavor; an excellent garden variety. Per pkt., 5 cents; oz., 20; ¼ lb., 50; lb., $1.50.

Yellow Aberdeen Purple Top.—Bulb globular, reddish purple above, and deep yellow below, tap-root small, flesh pale yellow, tender, sugary, and solid. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Robertson's Golden Ball.—It forms a beautiful bulb, with a bright yellow rind and cream-colored flesh; rich, pulpy, and excellent for culinary use as well as for stock. Its keeping qualities are unrivaled. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Large Yellow Globe.—This variety grows to a large size, handsome, globular shaped, color pale yellow with greenish top leaves, rather small and spreading. One of the best for a general crop, either for table use or stock; keeps hard and brittle until late in Spring. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Yellow Stone.—Similar in appearance to the Golden Ball; one of the very best for table, and being very nutritious, is also highly recommended for feeding stock. Excellent for late sowing, and in its keeping qualities unsurpassed. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Teltow, or Small Berlin.—The smallest variety grown, having leaves resembling a radish. It is very early; flesh yellowish white, fine grained and sugary. Valuable in soups and gravies. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., $1.00.

Seven Top.—A variety principally used in the Southern States. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

SWEDISH or RUSSIAN TURNIP (Ruta-Baga).

[*Brassica, campestris nabo-brassica*, LIN. *Chou Rutabaga*, FR. *Kohlrab in der Erdegelber*, GER. *Nabo rutabaga*, SP.]

CULTURE.—The Swedes, at the North, should be sown from the 20th of June to the 1st of July, in twenty-five inch drills, and thinned out at the first working to ten inches apart; or they may be sown in a seed-bed and afterwards transplanted. It is necessary that the ground should be dry and made very rich.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Skirving's Purple Top.—Imported seed. An improved purple-top variety, of strong growth; large size; best suited to field culture and cattle feeding. Per pkt. 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Laing's Improved.—A handsome variety of excellent quality; purple above and yellow under ground; almost perfect globe-shaped when well grown. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Carter's Imperial Hardy Swede.—A new English variety, highly recommended as producing extraordinary crops, and obtained many first-class prizes at various exhibitions in England. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Sutton's Improved Champion Swede.—A favorite English variety, which has produced 38 to 43 tons per acre. It is the hardiest, the heaviest cropping, and the most nutritious variety grown. Per pkt., 5 cents; oz., 10; ¼ lb., 75.

Improved American.—This variety is largely grown in this country by many of our most prominent agriculturists, both for the table and for feeding stock; flesh very solid; fine quality; keeps well until Summer. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Sweet German.—Bulb four or five inches in diameter and six or seven in depth; neck two or three inches long; skin greenish brown above ground, white beneath; flesh pure white, of extraordinary solidity, very sweet, mild, well flavored; retains its solidity and freshness until Spring. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

Long White French.—Skin white; flesh white, solid, mild, and sweet, strongly resembling the preceding, of which it is supposed to be a variety; excellent for the table, also for stock. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 75.

WHITLOEF.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

A most distinct and entirely new vegetable, somewhat resembling Chicory in habit. It produces a moderate-sized and beautiful white heart, in shape similar to a Cos Lettuce; and either eaten boiled, or as a salad, it will be found a valuable acquisition to our short list of Winter vegetables. Per pkt., 5 cents; oz., 15; ¼ lb., 50; lb., $1.50.

COLLARDS.

A variety of Cabbage grown extensively at the South, where it is cultivated for greens, and will always give a crop when the cabbage fails. Our seed is the true Creole, the only variety worth growing. Per pkt., 5 cents; oz., 15; ¼ lb., 50; lb., $1.50.

POT, SWEET AND MEDICINAL HERBS.

Herbs in general love a mellow and free soil, and some pains should be taken in properly harvesting them in a dry state. The chief points are, first, to cut them when not quite in full blossom, and on a dry day to dry them quickly in the shade in a secure place, and when dry to pack them close in dry boxes or vessels, and keep them entirely excluded from the air. Sow the seeds early in Spring in shallow drills, and when they are up thin them out to a few inches apart.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Angelica Garden *(Archangelica officinalis).* Per pkt., 10 cents; oz., 20.

Anise *(Pimpinella anisum).* Per pkt., 5 cents; oz., 10; lb., $1.00.

Arnica *(Arnica montana).* Per pkt., 10 cents; oz., $2.00.

Balm *(Melissa officinalis).* Per pkt., 10 cents; oz., 40.

Basil, Sweet *(Ocymum basilicum).* Per pkt., 10 cents; oz., 30; lb., $3.00.

Bene *(Sesamum orientale).* Per pkt., 5 cents; oz., 20.

Borage *(Borago officinalis).* Per pkt., 5 cents; oz., 20.

Belladona *(Atropa belladona).* Per pkt., 10 cents; oz., 75.

Bryonia *(Bryonia dioica).* Per pkt., 10 cents; oz., $1.00.

Caraway *(Carum carvi).* Per pkt., 5 cents; oz., 15; lb., $1.00.

Castor Oil Plant *(Ricinus communis).* Per pkt., 10 cents; oz., 20.

Coriander *(Coriandrum sativum).* Per pkt., 5 cents; oz., 20.

Dill *(Anethum graveolens).* Per pkt., 5 cents; oz., 15.

Fennel, Sweet *(Anethum fœniculum).* Per pkt., 5 cents; oz., 15; lb., $1.00.

Fenugreek *(Trigonella foenum græcum).* Per pkt., 5 cents; oz., 15.

Hemlock *(Conium maculatum).* Per pkt., 10 cents; oz., 50.

Henbane *(Hyosciamus niger).* Per pkt., 10 cents.

Horehound *(Marrubium vulgare).* Per pkt., 10 cents; oz., 40.

Hyssop *(Hyssopus officinalis).* Per pkt., 10 cents; oz., 40.

Lavender *(Lavendula vera).* Per pkt., 10 cents; oz., 25.

Marjoram, Sweet *(Origanum marjoram).* Per pkt., 10 cents; oz., 25; lb., $2.50.

Opium Poppy *(Papaver somniferum).* Per pkt., 10 cents; oz., 30; lb., $2.00.

Pot Marigold *(Calendula officinalis).* Per pkt., 10 cents; oz., 40.

Rosemary *(Rosemarinus officinalis).* Per pkt., 10 cents; oz., 50.

Rue *(Ruta Graveolens).* Per pkt., 10 cents; oz., 25.

Saffron *(Carthamus tinctorius).* Per pkt., 5 cents; oz., 15; lb., $1.50.

Sage *(Salvia officinalis).* Per pkt., 5 cents; oz., 20; lb., 2.00.

Sage, Red *(Salvia sclarea).* Per pkt., 10 cents.

Stramonium *(Datura stramonium).* Per pkt., 10 cents; oz., 30.

Summer Savory *(Satureja hortensis).* Per pkt., 10 cents; oz., 20; lb., $2.50.

Tansy *(Tanacetum vulgaris).* Per pkt., 10 cents.

Thyme *(Thymaus vulgaris).* Per pkt., 10 cents; oz., 40; lb., 4.00.

Woodroof *(Asperula odorata).* Chief ingredient of the Maitrank. Per pkt., 10 cents.

Wormwood *(Artemisia absinthium).* Per pkt., 10 cents; oz., 30.

KITCHEN GARDEN ROOTS, PLANTS, etc.

Asparagus, Conover's Colossal.—One-year-old roots. Per hundred, $1.00; thousand, $8.00.

Asparagus, Conover's Colossal.—Two-year-old roots. Per hundred, $1.25; thousand, $10.00.

One-year-old roots by mail, 25 cents per hundred extra; two-year-old roots are too bulky for mailing.

Horse-Radish Sets.—Per dozen, 20 cents; hundred, 75; thousand, $6.00.

Rhubarb, Myatt's Victoria.—Each, 25 cts.; per doz., $2.00; hund., $10.00. By mail, 40 cts. each.

Rhubarb, Linnæus.—Each, 25 cents; per dozen, $2.00; hundred, $10.00. By mail, 40 cents each.

GOLDING HOP ROOTS.

A new English variety, highly esteemed among the hop-growers of Kent and other portions of Great Britain. Large, productive, and of fine quality. A great improvement on any variety hitherto offered. We recommend this variety, with the greatest confidence, to all hop-growers. By mail, post-paid, each, 20 cents; doz., $2.00; hundred, $10.00, at purchasers' expense.

PLANTS

Of many varieties of **Cabbage, Cauliflower, Broccoli, Celery, Egg-Plants, Tomatoes, Peppers, Sweet Potatoes,** can be had in May or June. A special list will be mailed to all applicants.

COLLECTIONS OF KITCHEN GARDEN SEEDS.

A COMPLETE ASSORTMENT OF VEGETABLE SEEDS FOR ONE YEAR'S SUPPLY, FOR A LARGE OR SMALL GARDEN.

The following collections are made up in the most liberal manner, care being taken to give a sufficient quantity of all the finest varieties and most useful sorts of Vegetables required in the Kitchen Garden for successive crops, and are prepared for immediate shipment during the busy season; consequently no change can be made in the quantities or varieties. For the different varieties, Peas, Beans, Beets, &c., contained in each collection, see our *Guide to the Flower and Kitchen Garden.* Those who do not wish for the entire collection, are advised to make up their orders from the body of the Catalogue.

Collections Nos. 1, 2, 3, 4 will be sent by express at the expense of the purchaser; Nos. 5, 6 and 7 are prepared expressly for forwarding by mail, and will be mailed, post-paid to any address in the United States, upon receipt of the price affixed.

ARTICLES.	Col. 1 *for* $20 *contains*	Col. 2 *for* $15 *contains*	Col. 3 *for* $10 *contains*	Col. 4 *for* $5 *contains*	Col. 5 *for* $3.50 *contains*	Col. 6 *for* $2 *contains*	Col. 7 *for* $1 *contains*
Peas	8 qts.	5 qts.	4 qts.	3 pts.	1½ pt.	2 pkts	
Beans	4 qts.	6 pts.	3½ pts.	1½ pts.	2 pkts		
Beets	8 oz.	6 oz.	4½ oz.	2 oz.	1 oz.	3 pkts	2 pkts
Borecole, or Kale	1 oz.	¾ oz.	½ oz.	1 pkt.			
Broccoli	1 oz.	½ oz.	2 pkts	1 pkt.	1 pkt.		
Carrot	10 oz.	8 oz.	4 oz.	2 oz.	2 pkts	2 pkts	1 pkt.
Cauliflower	1 oz.	¾ oz.	2 pkts	1 pkt	1 pkt	1 pkt	
Cabbage	6 oz.	4 oz.	3 oz.	2 oz.	5 pkts	4 pkts	3 pkts
Celery	2 oz.	1½ oz.	4 pkts	3 pkts	2 pkts	1 pkt.	1 pkt.
Corn	6 qts.	4 qts.	2 qts.	2 pts.	1 pt.	1 pkt.	
Cress	2 oz.	1½ oz.	1 oz.	½ oz.	1 pkt.	1 pkt.	1 pkt.
Cucumber	6 oz.	4 oz.	2 oz.	3 pkts	2 pkts	1 pkt.	1 pkt.
Endive	1 oz.	¾ oz.	½ oz.	1 pkt.	1 pkt.		
Kohl Rabi	1 oz.	¾ oz.	½ oz.	¾ oz.			
Leek	1 oz.	¾ oz.	½ oz.	¼ oz.	1 pkt.		
Lettuce	4 oz.	3 oz.	1½ oz.	3 pkts	2 pkts	2 pkts	1 pkt.
Musk-melon	6 oz.	4 oz.	2 oz.	3 pkts	2 pkts	2 pkts	1 pkt.
Water-melon	4½ oz.	3 oz.	1½ oz.	3 pkts	2 pkts	1 pkt.	1 pkt.
Onion	4 oz.	3 oz.	2 oz.	1 oz.	3 pkts	2 pkts	1 pkt.
Okra	4 oz.	3 oz.	2 oz.	½ oz.	1 pkt.		
Parsley	2 oz.	1 oz.	½ oz.	¼ oz.	1 pkt.	1 pkt.	
Parsnip	5 oz.	4 oz.	2 oz.	1 oz.	2 pkts	1 pkt.	1 pkt.
Pepper	1 oz.	¾ oz.	½ oz.	2 pkts	1 pkt.	1 pkt.	
Radish	14 oz.	8 oz.	6 oz.	3 oz.	2 oz.	3 pkts	1 pkt.
Spinach	1 lb.	12 oz.	8 oz.	4 oz.	1 oz.	1 pkt.	1 pkt.
Squash	8 oz.	6 oz.	4 oz.	2 oz.	4 pkts	3 pkts	2 pkts
Tomato	2½ oz.	1¾ oz.	1¼ oz.	4 pkts	3 pkts	2 pkts	1 pkt.
Turnip	1 lb.	12 oz.	8 oz.	2 oz.	1½ oz.	2 pkts	1 pkt.
Egg Plant	1 oz.	¾ oz.	½ oz.	1 pkt.	1 pkt.	1 pkt.	
Sweet and Pot Herbs.	7 pkts	6 pkts	5 pkts	4 pkts	3 pkts	1 pkt.	

SEEDS FOR HEDGES.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Acacia, Three Thorned, or Honey Locust (*Gleditschia triacanthos*).—Very hardy and effectual for protection against man or beast; admirably adapted for the prairies. Per lb., 60 cents.

Buckthorn (*Rhamnus Catharticus*).—Clean seed. Per oz., 15 cents; lb., $1.50.

Yellow Locust (*Robinia pseudo acacia*).—Per oz., 10 cents; lb., 60.

Osage Orange (*Maclura Aurantiaca*). 33 lbs. to the bush. Per oz., 10 cents; lb., 75; bush., $9.00.

Barberry (*Berberis vulgaris*).—Very hardy, producing a fine compact hedge, affording ample security against intrusion; also valuable for its fruit, which is excellent for preserving. Per oz., 20 cents; lb., $2.00.

Perennial Rye Grass.

Meadow Fescue Grass.

Orchard Grass.

Crested Dog's Tail Grass.

Sweet Vernal Grass.

Sheep's Fescue Grass.

GRASSES.

GRASS SEEDS.

Subject to slight variations in price to correspond with the market.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Red Top Grass (*Agrostis Vulgaris*).—Valuable for pasturage; is well known and extensively cultivated; 14 lbs. to the bush.; 2 to 3 bush. will sow 1 acre. Per lb., 15 cents; bush., $1.50.

Creeping Bent Grass (*Agrostis Stolonifera*).—A valuable variety for lawns or croquet grounds, or for permanent pasture; 15 lbs. to the bush., 2 to 3 bush. to the acre. Per lb., 30 cts.; bush., $4.00.

Meadow Foxtail (*Alopecurus Pratensis*).—This is one of the best and earliest of pasture grasses; it thrives best on meadow lands; 7 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.

Sweet Scented Vernal Grass (*Anthoxanthum Odoratum*).—Permanent pasture should not be without this variety, as it is of good quality and very early; also very fragrant; 10 lbs. to the bush., 30 lbs. to the acre. Per lb., 50 cents.

Rhode Island Bent (*Agrostis Canina*).—An excellent variety for lawns and pasturage; 11 lbs. to the bush., 2 to 3 bush. to the acre. Per bush. $3.50.

Schraeder's Brome Grass (*Bromus Schraederi*).—A forage plant from Australia, particularly recommended for resisting the drouth better than any other variety, and will thrive on any soil, except where there is superabundance of moisture; yields two good crops in a season; 16 lbs. to the bush., 35 lbs. to the acre. Per lb., 50 cents.

Crested Dogstail (*Cynosurus Cristatus*).—This grass, forming a close turf, and having rather fine foliage, may be advantageously sown on lawns and other places to be kept under by the scythe; it is also useful for very dry or gravelly soils; 28 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.

Orchard Grass (*Syn. Round Cocksfoot.*) (*Dactylis Glomerata*).—A valuable grass on account of the quantity of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed; if allowed to stand for hay it has rather a coarse appearance, but if grazed it always has a fresh green hue; 14 lbs. to the bush., 3 bush. to the acre. Per lb., 25 cents; bush., $2.75.

Hard Fescue Grass (*Festuca Duriuscula*).—Will thrive in a great variety of soils, and resist the effect of drouth in a remarkable degree; from the fineness of its foliage it is well adapted for lawns or a sheep pasture, and its habit of reproduction after sowing is very great; 12 lbs. to the bush., 30 lbs. to the acre. Per lb., 30 cents.

Meadow Fescue (*Festuca Pratensis*).—This thrives in all soils, excellent for a permanent pasture, is well liked by all kinds of stock; 15 lbs. to the bush., 40 lbs. to the acre. Per lb., 30 cents.

Tall Fescue (*Festuca Elatior*).—A robust variety; succeeds admirably in moist soils or where the meadows are subject to floods; 15 lbs. to the bush., 40 lbs. to the acre. Per lb., 30 cents.

Sheep's Fescue (*Festuca Ovina*).—This grass forms a greater part of the sheep pastures of the English Southdowns; it should always enter into the composition of pastures in which sheep are to be pastured, as they are very fond of it, and mutton from such pasture is of the finest flavor; 12 lbs. to the bush., 25 lbs. to the acre. Per lb., 30 cents.

Red Fescue (*Festuca Rubra*).—Especially suitable for dry, loose soils; 12 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.

Darnel-spiked Fescue (*Festuca Loliacea*).—One of the most valuable grasses in cultivation, either for permanent pasture or lawns; it springs early, is very productive, very nutritious, and improves by age; it thrives on all good soils, and increases in bulk pastured for many years; 12 lbs. to the bush., 40 lbs. to the acre. Per lb., 60c.

Rough Stalked Meadow Grass (*Poa Trivialis*).—Produces a constant supply of highly nutritious herbage, particularly on damp soils; one of the most valuable for laying down pastures and meadows on soils either moist or moderately dry; 14 lbs. to the bush., 25 lbs. to the acre. Per lb., 50c.

Wood Meadow Grass (*Poa Nemoralis*).—There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist; 14 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.

Kentucky Blue Grass, or Smooth Meadow Grass (*Poa Pratensis*).—This grass yields, at a very early period of the season, herbage of the most nutritious properties; thrives in moderately dry soils; extensively grown in many parts of the country; 14 lbs. to the bush., 1½ bush. to the acre. Per lb., 20 cents; bush., $2.00.

Timothy, or Herd's Grass (*Phleum Pratense*).—Very productive, and thrives on almost any soil; for laying down strong, tenacious and moist soils it should form a considerable portion of the mixture required for husbandry or permanent pasture; it is also very profitable when grown alone; 45 lbs. to the bush., ½ bush. to the acre; price according to market.

Reed Canary Grass (*Phalaris Arundinacea*).—Grows well by streams or marshes; 25 lbs. to the acre. Per lb., 75 cents.

Meadow Soft Grass (*Holcus Lanatus*).—Grows from 1½ to 2 feet high; thrives in almost any soil; useful for orchards or pastures overhung with trees; 3 bush. to the acre, 7 lbs. to the bush. Per lb., 40 cents; bush., $2.50.

English Rye Grass (*Lolium Perenne*).—Very nutritious, and valuable for permanent pastures; 24 lbs. to bush., 3 bush. to acre. Per bush., $3.00.

Italian Rye Grass (*Lolium Italicum*).—For alternate husbandry this is invaluable, especially for early sheep feed and soiling; 18 lbs. to the bush., 3 bush. to the acre. Per bush., $3.00.

The two varieties of Rye Grass are very largely used in Europe, and enter largely into the composition of the many mixtures recommended for various soils.

Yellow Oat Grass (*Avena Flavescens*).—Should be sown with other varieties, such as Crested Dogstail or Sweet Vernal; valuable for dry meadows and pastures; 8 lbs. to the bush., 35 lbs. to the acre. Per lb., 75 cents.

NOTE.—When large shipments of the above are required, special quotations will be furnished.

CLOVERS.

By mail 16 cents per pound additional.

Red Clover (*Trifolium Pratense*).—Large or Pea vine. Market price.

Red Clover.—Medium. Market price.

White Clover (*Trifolium Repens*).—Per lb., 40c.

Lucerne Clover (*Medicago Sativa*).—Per lb., 45c.

Alfalfa or Chilian Clover.—Per lb., 35 cents.

Alsike or Hybrid Clover.—Per lb., 35 cents.

Italian Clover (*Trifolium Incarnatum*).—Scarlet. Sow in July for soiling or mowing before Winter. 20 lbs. to the acre. Per lb., 40 cents.

Bokhara Clover (*Melilotus Leucantha*).—Affords excellent feed for bees. Per lb., 60 cents.

Trefoil Yellow (*Medicago Lupulina*)—Hop clover. 15 lbs. to the acre. Per lb., 40 cents.

GRASS SEEDS

For Lawns, Croquet Grounds, &c.

THE PREPARATION OF LAWNS AND THEIR MANAGEMENT.

In the formation of lawns the ground should be thoroughly cleansed of root weeds before sowing. It should be dug or trenched to an equal depth to prevent unequal settlements; and to secure this, it should be repeatedly trodden, rolled and leveled, until at last a firm and uniform surface is obtained. The selection of proper grass seeds is the next important matter, and this requires more than ordinary attention, that the kinds of grass be suited both to the purpose and soil, and that the mixture of these grasses be proportioned to suit the end in view. Our mixtures are prepared to suit all soils and situations, and whether used in pasture or lawns have invariably borne the best results. It is of great importance that we should be acquainted with the nature of the land, which enables us to furnish mixtures composed of grasses best adapted for the purpose. It must be remembered, however, that much of the fine appearance of our Lawns depends upon regularity in mowing; if they are left too long in Spring before the operation is commenced, or if allowed to grow strong in Summer; and, more especially, if not closely mown at the latest period in Autumn, they become coarse, the stronger grasses overgrowing the weaker and the best, the smoothness of the surface is destroyed, and ultimately the whole becomes patchy and unsightly. For this purpose we cannot recommend too strongly the **Charter Oak Lawn Mower.** The improvement in many of the lawns in this country where this mower has been used, since its introduction a few years since, is truly wonderful, and no one who wishes for a fine smooth lawn can afford to dispense with it. All lawns should also be regularly rolled, and, unless the subsoil be a porous alluvial gravel, should be thoroughly drained at their formation, and a drain should be carried along at the bottom of each terrace slope, so that they may at all times be comfortable to walk upon. The seed may be sown in Spring or Fall; but if sown in hot weather, a slight sowing of oats among the grass, which vegetates quickly, will serve to protect the springing grass. For forming new lawns three bushels are required per acre, or about four quarts to six rods of land, which should be regularly and evenly distributed,—the Philadelphia Seed-Sower, noticed on another page, will be found a most useful implement for this purpose,—15 pounds to the bushel.

If by mail, postage must be added at the rate of 8c. per quart.

Lawn Grass.—Central Park mixture; composed of dwarf, and close growing grasses, which, properly managed, produce a fine velvety lawn and permanent sod. Per qt., 25 cents; bush., $5.00.

Lawn Grass, French.—For Croquet grounds and small plots. Per qt., 20 cents; bush., $4.00.

Lawn Grass.—Fine mixture; a second quality of the above; recommended for large areas. Per qt., 15 cents; bush., $3.50.

Lawn Grass.—Mixture of best grasses especially adapted for shady situations, such as orchards, shrubberies, &c. Per qt., 25 cents; bush., $5.00.

Flint's Mixture.—For permanent grass land; adapted for various kinds of soils. Per bush. $5.00.

BIRD SEEDS, Etc.

By mail 25 cents per quart, 16 cents per pound additional for postage. Prices variable.

Canary (*Phalaris canariensis*)—Per qt., 20 cents.
Hemp (*Cannabis sativa*).—Per qt., 20 cents.
Maw (*Papaver rhœas*).—Per lb., 25 cents.
Millett (*Panicum miliaceum*).—Per qt., 15 cents.
Rape (*Brassica napes*).—Per qt., 25 cents.
Rice, unhulled (*Oryza sativa*).—Per qt., 25 cents.
Lettuce (*Lactuca sativa*).—Per oz., 10 cents; lb., 50.
Mocking-Bird Food (prepared).—Per bottle, 50c.

FRUIT SEEDS.

By mail 25 cents per quart, 16 cents per pound additional for postage. Prices variable.

Pear Seed (*Pyrus communis*).—Per oz., 25 cents; lb., $2.00.
Quince Seed (*Cydonia vulgaris*).—Per oz., 25 cents; lb., $2.50.
Apple Seed (*Pyrus malus*).—Per qt., 40 cents; bush., $6.00.
Plum Pits (*Prunus communis*).—Per qt., 50 cents; bush., $8.00.
Apricot Pits (*Armenica vulgaris*).—Per oz., 10 cents; lb., 75.
Cherry Mahaleb (*Cerasus Mahaleb*).—Per lb., 75c.
Cherry Mazzard (*Cerasus communis*).—Per qt., 25 cents.
Currant Seed, red and white (*Ribes*).—Per oz., 50 cents.
Peach Pits.—Per qt., 10 cents; bush., $1.50.

MISCELLANEOUS SEEDS, Etc.

By mail, 25c. per quart, 16c. per pound additional for postage.

Broom Corn, Evergreen Dwarf.—This seed was carefully saved from brush, none of which was less than 20 inches in length, and stalks not over 4 feet in height. Per qt., 25 cents; bush., $4.00.
Broom Corn, Medium.—Per qt., 25 cents; bush., $4.00.
Broom Corn, California.—Per qt., 30 cents.
Cotton, Sea Island.—Per lb., 25 cents.
Cotton, Upland.—Per lb., 25 cents.
Flax Seed.—Clean. Per qt., 25 cents; bush., $4.00.
Jute Seed.—Per oz., 40 cents; lb., $4.00.
Lupins.—Per qt., 50 cents.
Madder.—The roots of this plant, when dried and ground, furnish a red coloring matter, much used by dyers. Per lb., $1.00.
Pyrethrum Willematii (Insect Powder Plant).—Per oz., $3.00.
Ramie, or China Grass (*Urtica nivea*).—A new fibrous plant, much used by the Chinese for the manufacture of a fine silk summer cloth. Will grow where cotton can be raised. Per oz., $2.00.
Sainfoin.—Double cutting. Per lb., 40 cents.
Spurry (*Spergula Arvensis*).—A useful fodder plant for light sandy soils. Per lb., 25 cents.
Sunflower.—Per qt., 30 cents; bush., $7.00.
Tarragon.—Seeds, per pkt., 25c.; roots, doz., $3.00.
Teasels.—For fuller's use. Per lb., 50 cents.
Vetches, Spring.—Much used as a forage plant; also a substitute for Peas. Per qt., 20 cents; bush., $3.00.

KENNEY'S EARLY AMBER SUGAR CANE.

In this variety we have a plant that is destined to prove of immense value to the northern portion of our country. It has been tested in Minnesota for several years past. A large grower gives the following statement to the State Commissioner:

I planted a piece of this cane this year, on the 27th of May, on new land, and before any frosts it was entirely ripe. Its saccharine qualities are of the first order, fine and rich, and its earliness highly recommends it to the whole country. It has another desirable quality, it stands up well, does not easily blow down, usually grows eleven and twelve feet high with us. When planted between the first and tenth of May, the seed almost invariably ripens, thus giving one the advantage of a double crop in one year from one planting, some 20 or 25 bushels of seed, and 150 or more gallons of fine syrup per acre, that is, if it is skillfully handled. All kinds of farm stock are fond of the seed; when ground and mixed with bran it makes a good heavy feed for horses; hens are very fond of the seed, and I believe it makes them produce eggs more abundantly than almost any other kind of grain. We have seen sugar produced from this variety equal to the best coffee sugars in the market.

By mail, 40 cents per lb. When sent by express at the expense of the purchaser, 20 cents per lb.

THE CHUFA, or EARTH ALMOND (Cyperus esculentus).

This plant is extensively grown in the Southern States, and for sheep, hog and poultry feed it is claimed to be one of the most profitable crops grown. Chufas may be planted in rows 2½ or 3 feet apart, and two tubers should be dropped 20 inches or 2 feet apart in the row, and covered 2 inches deep. In this way about a half bushel is sufficient for an acre. In the South they are planted during February and March. North they should be planted when the ground is warm; about the same time as corn, or a little earlier.

Per half pint pkt., 15 cents; qt., 40 (by mail, 60); peck, $2.00; half bush., $3.00; bush., $6.00.

EUCALYPTUS GLOBULUS, or Australian Fever Gum Tree.

This wonderful tree is now being extensively planted in our Southern States and in California, where it has become famous for draining damp soils and destroying malaria. Prof. Bentley, in speaking of this tree, before the Royal Horticultural Society of London, says: "The first and most important influence which the tree exerts, and that which has brought it more especially into notice, is its power of destroying the malarious agency which is supposed to cause fever in marshy districts, from which circumstance it has been called 'The Fever Destroying Tree.' It is in this respect commonly regarded as being serviceable in two ways: First, by the far-spreading roots of this gigantic tree acting like a sponge, as it were, and thus pumping up water and draining the ground; and, secondly, by emitting odorous antiseptic emanations from its leaves." It is believed by many that when this tree has been extensively planted in the swampy and malarious districts in the Southern States, that they will be equally as healthy as any other portion of the country. Per pkt., 25 cents; oz., 75; ¼ lb., $2.50; lb., $8.00. Several other varieties from Australia. Per pkt., 25 cents.

DIOSCOREA BATATAS—NEW CHINESE YAM.

Root one year old—1-6 ordinary size.

Bulblets—average size.

One of the most valuable esculents in cultivation, though but little known. Stem twelve to twenty feet in length, of rapid growth, of creeping or climbing habit, forming an excellent covering for a screen; flowers small, white, in clusters; leaves heart-shaped. The root is of a pale russet color, oblong, regularly rounded, club-shaped, largest at the lower end. Plant in a deep, light soil, tolerably rich and thoroughly stirred two feet deep. A well-grown root will measure 2 feet in length and 2½ inches in its broadest diameter, and are quite hardy, remaining in the ground over Winter without protection. The flesh is remarkably white, and very mucilaginous in its crude state. They may be boiled or roasted, and when cooked possess a rice-like taste; are quite farinaceous, nutritive and valuable for food. It is also a very desirable climbing plant, suitable for covering screens, arbors and unsightly places. A few tubers planted near a door or window, and the vines trained over and about it, make an ornament worthy the admiration of all. The flowers are numerous, and have a cinnamon fragrance; but the vines do not blossom until the roots are two years old. There is scarcely any difference, perceptible to the taste, between a Chinese Yam, when properly cooked, and the potato, though the yam is much whiter and finer grained. One-year-old roots, $1.25 per dozen; $6.00 per hundred. Bulblets, 20 cents per dozen $1.50 per hundred.

REANA LUXURIANS (Teosinte).

Much has been spoken lately in the agricultural and horticultural papers of this gigantic graminæa, both as an ornamental as well as a forage plant. It is a native of Central America; perennial in hot climates, it will not stand our winters; resembles Indian corn in aspect and vegetation, but produces a great number of shoots, growing three to four yards high, thickly covered with leaves, and yielding such an abundance of forage that one plant is estimated to be sufficient to feed a pair of cattle for twenty-four hours. In our northern countries, it is doubtful whether it will be available for forage, but it will certainly find its place in large gardens as a decorative plant, for sowing in Spring in pots and planted in May, in the open ground, it will produce a mass of shoots, forming a large bunch of more than a yard in diameter by three yards in height. Per packet, 25 cents; 5 packets, $1.00.

PRINGLE'S NEW HYBRID SPRING WHEATS.

The above are actual representations of some of the heads selected from wheat grown in a field with ordinary farm culture.

GRAINS.

NEW WHEAT, "GOLDEN GRAINS."

FOR SPRING OR FALL SOWING.

This is a very hardy and most productive variety, with long stiff straw, standing well, stools heavily, and frequently grows from twenty-five to seventy stalks from a single grain; the ears are long and closely filled with full, plump grains, with but little chaff. It is without doubt the largest grained Wheat ever seen, being fully three times as large as our best common Wheat. During the past season, it has produced at the rate of sixty-four bushels per acre, without any special culture. This Wheat grows with a beard until it begins to ripen, after which all the beard falls off. In the West it has been grown successfully as a Spring Wheat, but for this section it is a Winter Wheat, and stands freezing and thawing well. Per packet (of 1000 grains), 50 cents.

SPRING WHEAT.

PRINGLE'S NEW HYBRID SPRING WHEATS.

The two following varieties were first offered by us in 1878, and the most satisfactory reports of their yield and quality have been received from growers in all sections of the country. In order to see what it would do under careful cultivation, we offered premiums in 1878 to the amount of $250.00, to be divided among those who produced the greatest amount from one pound of seed—also for the best and largest heads. Some of the reports were truly wonderful, and showed what good culture and good seed will do. 761 pounds of Champlain, and 528 pounds of Defiance were raised, each from one pound of seed. Many of the best heads measured six to seven inches in length, and produced from 80 to 90 kernels per head. The prize collection was exhibited at the American Institute in the Fall of 1879, for which a Diploma was awarded. These two varieties were also awarded the *first and second prizes* at the *Intercolonial Exhibition* at *Sydney, N. S. W., Australia*, in April, 1879, as the best new varieties exhibited. Our correspondent informs us that they attracted much attention and received many special visits from millers and growers from other colonies, as well as their own.

CHAMPLAIN.

791 Pounds Grown from One Pound Seed.

Was produced in 1870 by Mr. Pringle, in his endeavors to unite the remarkable hardiness of the Black Sea with the fine and superior quality of the Golden Drop. Several varieties were the result of this hybridization, from which this one was chosen, as realizing the end in view, showing greatly increased vigor and productiveness over both its parents. A continued careful selection has now fully established its character, and we have a Wheat bearded like the Black Sea, with the white chaff of the Golden Drop, free from rust and smut, yielding a lighter colored grain than the former, and producing a flour of *superior quality*. Its strong and vigorous straw stands erect, and frequently bears, with very ordinary culture, heads from five to six inches in length, containing from sixty to seventy-five kernels each.

DEFIANCE.

528 Pounds Grown from One Pound Seed.

This variety of Wheat is the result of a series of experiments by Mr. Pringle in 1871, to incorporate superior qualities upon the hardy stock of our common Club Wheat, by hybridizing it with one of the finest, whitest, and most extensively grown sorts of the Pacific coast.

It displays great productiveness, vigor and hardiness; is a beardless white chaff Wheat, with heads frequently five to six inches long, very closely set with large white kernels, frequently numbering seventy-five to eighty to the single head. Its white, stiff, erect straw, exempt from the attack of rust, its earliness, combined with great vigor and superior qualities, claims for it universal trial.

Prices of each variety, $1.50 per peck; $5.50 per bush.; bags containing two bushels, $10.00.

Trial packages by mail, post-paid, one pound, 40 cents; three pounds, $1.00. Special quotations for larger quantities.

	Bush.
White Russian.—This variety, recently introduced, has proved very valuable in many localities in the North-western States. Straw of good length, strong, does not lodge, is not inclined to rust. Heads of large size and well filled with plump kernels, weighing sixty to sixty-two pounds to the bushel. Has produced forty to fifty bushels to the acre. Three pounds by mail, $1.00	$2.50
China Spring.—A white chaff, bearded variety; produces long heads well filled with plump kernels.	3.00
Mediterranean Spring.—This variety is bearded, yields well, and the kernels are much larger than those of the other Spring varieties	3.00

Three pounds of either of above by mail, $1.00.

RYE.

Winter Rye.—White, of a superior quality. Three pounds, by mail, $1.00	1.25
Spring Rye.—Three pounds, by mail, $1.00	1.75

SILVER-HULL BUCKWHEAT.

This extraordinary variety, originated abroad and carefully tested here for several years, is now offered as a very great improvement upon the ordinary black or gray Buckwheat. Sown at the same time as the common Buckwheat, it continues in bloom longer, matures a few days sooner, and yields nearly or quite double under the same conditions. The grain is of a beautiful light gray color, varying slightly in shade, and the corners are much less prominent than in the ordinary variety, while the husk is thinner, thereby saving from fifteen to twenty per cent. waste in the process of manufacturing into flour, which is whiter and more nutritious. Price, per bushel, $2.00; half bushel, $1.25; peck, 75 cents. By mail, one pound, 40 cents; three pounds, $1.00.

Buckwheat, common.—Per bushel, $1.25; three pounds, by mail, $1.00.

WINTER WHEAT.

MOLD'S IMPROVED RED AND WHITE WINTER WHEATS.

We take much pleasure in offering *two new varieties of Winter Wheats*, raised by one of the most successful cultivators in Europe, which we are confident will prove a valuable acquisition to this country. A specimen of this variety was on exhibition at the Exposition in Paris, of 85 heads grown from a single grain, and for which an offer of £30 sterling ($150) was refused by the exhibitor; 105 heads have been grown by the originator on one root. By sowing in drills, and giving each plant plenty of room, the most wonderful results may be obtained.

Price of each variety, 50 cents per lb.; 3 lbs., $1.25, by mail, post-paid; by express, at purchasers' expense, peck, $2.50; bush., $8.00.

Bush.

Arnold's Victor.—This Wheat is the final result of a large number of intercrossings, and selections of the best varieties grown in America. After carefully experimenting for a number of years, it is claimed that a variety has been obtained with a hardiness in resisting the effects of a Canadian winter, entirely superior to any other variety. Three lbs., by mail, $1.00 ..... $3.00

Fultz.—A beardless amber variety, grown largely in some sections of Pennsylvania, and with very satisfactory results. It is very hardy and productive, and the straw is of medium length and very strong; makes excellent flour. Three lbs., by mail, $1.00 ..... 2.25

Seneca or Clawson.—Is a smooth white Wheat, with red chaff, a superior variety. Three lbs., by mail, $1.00 ..... 2.25

Red Mediterranean.—This is the imported variety, fully acclimated, and is a standard Wheat. Heads bearded, well filled; succeeds well in nearly all localities; ripens early. Three lbs., by mail, $1.00 ..... 2.25

OATS.

CHALLENGE.

A new English variety thus described by the raisers: This splendid *White Oat* is rapidly superseding all the older varieties, being unrivaled for productiveness and fine quality. It possesses long, upright, stout straws, with neat panicle completely covered with close set grains, the latter plump, heavy, and of excellent quality, hence they are great favorites in the stable. Our stock of this variety is very small, we can only offer in small quantities. By mail, three lbs., $1.00. By express, purchasers paying freight, peck, $1.25; bush., $4.00, imported.

MOLD'S SELECTED BLACK TARTARIAN.

Another English variety, and one of the most prolific of all *Black Oats*. It has attained an extraordinary reputation wherever it has been grown. It is well known and appreciated over a widely extended area, and the reports of it are highly satisfactory. By mail, three lbs., $1.00. By express, at the expense of purchaser, per peck, $1.25; bush., $4.00, imported.

CHINESE HULLESS.

A new and very popular variety; the berry comes from the heads as clean as wheat without chaff adhering; the grain is at least double the size of ordinary Oats relieved of the hull; is white as White Winter Wheat, and weighs 55 lbs. to the measured bushel. This new cereal is destined to a considerable extent to take the place of other grains, as it is certain to become largely an article of food for man as well as beast. The Chinese Hulless Oats are almost entirely free from bran, having less than the finest white Winter Wheat, and on this account are especially recommended for Oatmeal. Per bushel of 32 lbs., $1.50. Three pounds, by mail, $1.00.

Schœnen (white).—A new and exceedingly popular variety; very heavy and productive. Per bushel of 32 lbs., $1.25. Three pounds, by mail, $1.00.

White Probsteier, Excelsior, Surprise, each, $1.25 per bushel of 32 lbs. *Three pounds of either, by mail*, $1.00.

BARLEY.

KINVER CHEVALIER.

The best Barley in Cultivation.

An English variety, surpassing all ordinary kinds in its enormous yield from thin seeding, and in excellence of grain, the latter being thin-skinned, bright, plump, and very heavy; the straw is of good length and quality. It answers well in all soils, having been grown with great success in many different localities. This, with its extraordinary good quality, and the high estimation in which it is held, entitles it to a first rank as a cereal, while it is much appreciated by maltsters and brewers, and invariably commands a high price. For sale in small quantities only for trial. By mail, 60 cts. per lb.; 3 lbs., $1.50.

Two-Rowed.—Three pounds, by mail, $1.00 ..... per bushel, $1.75

Four-Rowed.—Three pounds, by mail, $1.00 ..... " " 2.00

MILLET.

German or Golden Millet.—Golden Millet is of extraordinary value, and coming into great favor as an annual hay and fodder crop. It is medium early; height 3 to 5 feet; heads closely condensed, spikes very numerous; seeds round, golden yellow, in rough, bristly sheaths. Per bush., $2.25.

Hungarian (Grass) Millet (*Panicum Germanicum*).—Early; height 2 to 3 feet; abundant foliage and slender head; withstands drought, and yields well on light soils. Per bush., $2.00.

Common Millet (*Panicum Miliaceum*).—Very early; height 2 to 3 feet; foliage broad and very abundant; heads very open, branching panicles; seeds glossy, oval, somewhat flattened. Per bush., $2.00.

Three pounds of either of above, by mail, $1.00.

The above varieties should be cut when in blossom. Prices quoted are subject to fluctuation.

NEW FORAGE PLANTS.

EGYPTIAN, EAST INDIAN, OR PEARL MILLET *(Pencillaria spicata).*

This new Millet is quite distinct from all other species, and is without doubt destined to take a place in the front rank of valuable forage plants. Sown in light sandy soil, the plants at first appear feeble, resembling broom corn; but when a few inches above ground they begin to tiller, and new shoots appear very rapidly from the original root, until they number a half dozen to a dozen or more. The stems at first are nearly prostrate, but when about two feet long they begin to assume an upright position, reaching a height of eight to ten feet, not differing in color or substance from our common Indian corn. In fact, it is one of the most "leafy" plants we have ever met in the great family to which it belongs. When the stems have reached nearly their full height, the seed or flower spikes appear at the summit. As soon as the first or principal flower spike appears, the stems throw out lateral branches from every joint, these in turn producing leaves and flower spikes. When cultivated for fodder, the seed should be dropped in drills and given plenty of room on account of the peculiar habit of tillering; the fodder is in the best condition for cutting and curing when the stalks are five or six feet high; but, if used for soiling, it might be cut earlier or later, at the convenience of the cultivator; the stumps, sprouting and throwing up a new growth, continue to grow until killed by frosts. Cows, horses, and other farm stock are exceedingly fond of this kind of Millet, eating it with as much avidity and apparent relish as they do the green leaves of Indian corn, and we are inclined to think that it is fully as nutritious. The seed will not mature in the Northern States. Per oz., 10 cents; ¼ lb., 20; lb., 50, by mail post-paid; by express or freight, at expense of purchaser, 35 cents per lb.; 10 lbs., $2.50.

Pearl Millet.

Prickly Comfrey.

PRICKLY COMFREY.

This plant is specially adapted for the feeding and fattening of stock and for increasing the milk of cows. It is earlier, grows more rapidly and luxuriantly, and produces on a given space a far greater quantity of forage than any other green soiling plant. Being deep rooted, it withstands protracted drought in a remarkable degree, and affords abundance of forage until cut down by severe frost. It is propagated by subdivision of the roots, about 4,000 sets being required for an acre. Descriptive circulars, giving directions for culture, mailed to all applicants.

We will supply roots of the above at the following prices, post-paid by mail: 4 oz., 20 cents; 8 oz., 30; 1 lb., 50. By express, freight paid by purchaser, per lb., 40 cents; 5 lbs., $1.50.

One pound of the roots will make about one hundred cuttings; they can be cut smaller if desired.

DURRA *(Sorghum vulgare).*

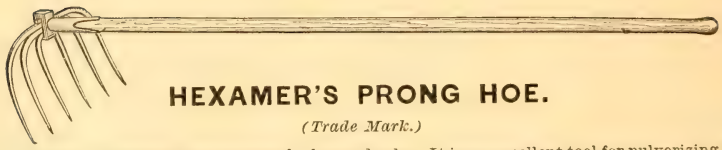
This plant has been offered at various times under the different names of Indian, or Great Millet, Guinea, or Negro Guinea Corn, Chocolate Corn, Ivory Wheat, and Pampas Rice. We consider it right to mention this to prevent misconception. Above we give the botanical name, and that by which it is most generally recognized where the consumption is greatest.

Durra is a valuable forage plant, growing from 8 to 10 feet in height, and yielding an abundance of grayish-green foliage, greatly relished by stock. It is frequently grown for grain, and yields largely. One grower in California reports having harvested as high as 200 bushels per acre.

The culture is very simple: when grown for the grain, it should be planted in hills and given plenty of room; the space given to common corn is not any too much. For fodder, sow in drills from 2 to 3 feet apart, dropping the seeds 3 to 4 inches apart in the drill; when 6 or 8 inches high, thin to about 8 or 9 inches apart; and when it has attained a height of 4 or 5 feet, it may be cut for forage, which can be continued every third or fourth week until frost.

Prices by mail: per oz., 10 cents; lb., 65 cents. By express, at purchaser's expense: 50 cents per lb.

IMPLEMENTS.

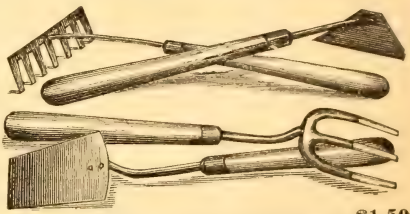


HEXAMER'S PRONG HOE.

(Trade Mark.)

This implement subserves the purpose of a hoe and rake. It is an excellent tool for pulverizing the soil between rows of all kinds of growing plants and for rooting up small weeds; and it is a wonderful improvement on Hand Potato Diggers. As the tines are long, small and strong, they pass through the soil with the application of less force than is required to work the old style of diggers. **Price, $1.50 each; $15.00 per dozen. Without handles, $1.40 each.** By mail, post-paid, $2.00 each.

LADIES' AND CHILDREN'S GARDEN TOOLS.



We do not know of a more useful set of implements for the *Flower Garden* than those represented by this cut. They are not toys, as one might infer from their appearance, but are made for actual service, of the very best of cast steel, about ten inches in length, with hard-wood handles beautifully polished and neatly put up in boxes. They will be found very useful in working and loosening the soil and removing weeds from among flowers and young vegetables. The low price at which they are offered places them within reach of all. No one will be without them after a trial.

No. 1, extra polished, $1.25 per set of four; by mail, post-paid **$1.50**
No. 2, painted and polished, $1.00 per set of four; by mail, post-paid **1.25**

We have also a set similar to the above, with a trowel in place of the spade. **Price $1.25; by mail $1.50.**

COMSTOCK'S GARDENING IMPLEMENTS.

Comstock's Hand Cultivator and Onion Weeder Combined.—In the cultivation of Onions, Carrots, Beets, Parsnips, Ruta Baga, Rice, Spinach, Strawberries, Nursery Stocks, and other small drill crops, this implement will do the work of SIX MEN with hoes. It *pulls the weeds* and thoroughly pulverizes the soil; runs close to the rows, and takes out all the weeds not directly in line with the plants, and throws the earth up to or away from the rows. It is readily adjusted to clean the space between rows from 6 to 15 inches apart at one passage. **Price, $7.00.**

Comstock's Seed Sower.—$8.00.

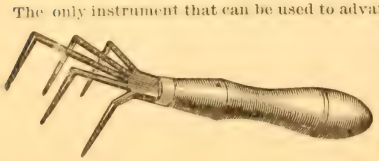
Comstock's Seed Sower, Hand Cultivator and Weeder Combined.—This is a new and perfect small Seed Sower, combined with the Cultivator and Weeder, and can be separated or attached in five minutes. It sows Beet, Parsnip, and other difficult seeds which can be sown with any Seeder, with the greatest regularity, and is especially adapted to sowing Onion at the rate of four, five, or six pounds to the acre. By revolving the disk, which is held in place by a spring, it can be changed instantly to sow thick or thin, without removing the seed from the hopper. **Price, $12.00.**

Hopper and Cover to make a Seed Sower of a Cultivator, $5.00. Set of two rakes and three teeth to make a Cultivator and Weeder of a Seed Sower, $3.75. Wheel and Knife to be fixed to the Cultivator to make a Strawberry Runner Cutter, $2.00. Extra teeth and rakes less than a set, each $1.00. Verge or Turf Cutter, $1.25. Mole Plow, 75 cents.

Circulars giving a more complete description of the above with directions for use and culture of various crops, will be mailed to all applicants.

PATENT EXCELSIOR WEEDING HOOK.

The only instrument that can be used to advantage among small and tender plants. This instrument is warranted to give satisfaction when used among rows of seedlings, among ornamental plants, or in any place where absolute freedom from weeds is the result desired to be obtained. It removes the weeds with far greater rapidity than in the usual manner, without injuring the plants or soiling the hands, and is in all respects the best, if not the only instrument ever offered to the public for this purpose. Price, 25 cents; by mail, 30 cents.



RANDOLPH'S HAND SEED SOWER.

For Sowing all kinds of small Garden Seeds with Accuracy and Dispatch.

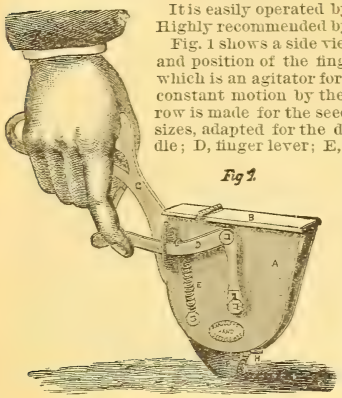


Fig 1.

It is easily operated by a lady or a child of ordinary intelligence with a little practice. Highly recommended by some of our most experienced gardeners and farmers.

Fig. 1 shows a side view of the implement, with the manner of holding it in the hand, and position of the finger; A, hopper for containing the seeds to be sowed, inside of which is an agitator for discharging the seeds, connected with the lever D, to be kept in constant motion by the finger while in use; E, earth opener, by means of which a furrow is made for the seed; the removable sides H are perforated with holes of various sizes, adapted for the different varieties of seeds to be sown; B, cover or lid; C, handle; D, finger lever; E, spiral spring, to assist in the operation of the agitator.

This fruitful source of waste in the ordinary method of planting is entirely remedied by the use of this implement. It is rapid in its action, so that a great saving of time results from its use. Its construction is such that it is impossible to clog it under any proper circumstances.

Being made of metal, it cannot easily be broken, and its construction is so simple that it cannot readily get out of order.

For a more complete description send for Circular.

This Seed Sower can also be furnished with an extended handle, to allow the operator to stand while using it. Price, $1.50. On account of its length, this pattern cannot be sent by mail.

A liberal discount to the trade or traveling agents.

Its cost is trifling compared with the advantages resulting from its use. The saving in time and seeds will undoubtedly repay the outlay in the planting of a single day. $1.25 each. Sent by mail, post-paid, to any address in the United States upon receipt of $1.50.

RANDOLPH'S FERTILIZER DISTRIBUTOR.

An implement for depositing Fertilizers of all kinds used in hill crops, such as *Corn, Potatoes, Tobacco, Cotton, &c.*

By its use, all kinds of **Phosphates, Bone Dust, Fish and Peruvian Guano, Poudrette, Ashes, Plaster,** and all kinds of **concentrated Fertilizers and Chemical Manures** can be distributed, without the material used coming in contact with the hands.

The manner of using the dropper will be readily understood from an inspection of the cut.

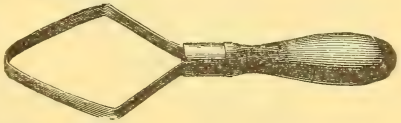
The sack, G, having been filled with the fertilizer, is attached to the person by passing the adjustable strap, E, over the shoulder as shown. The handle, O, of the connecting shoot, S, is then held by the left hand, and the handle, H, of the plunger, J, by the right, unless the person is left-handed, in which case the arrangement is just the reverse, the dropper being adapted for use in either way.

The implement is used after the manner of a cane, it being operated by simply swinging it from hill to hill, no exercise of care or judgment being required other than to select the spots upon which to rest its step, F.

For recommendations, and a more complete description, send for circular. Price, $5.00 each.

NOYES' HAND WEEDER.

This is a convenient, cheap and useful little implement for clearing away weeds, working between plants, dressing pots, and for other small work, where a large hoe could not easily be used. Price, 40 cents each; by mail, 50 cents.



PERRY'S SCARIFIER.

FOR SURFACE AND DEEP SOIL CULTIVATING.

HIGHLY RECOMMENDED AS A THISTLE, QUACK GRASS AND WEED EXTERMINATOR. The NARROW, CHISEL-POINTED TEETH bring Quack Roots to the surface, thoroughly loosening the soil, and preparing it for easy passage of the knife, which cuts and uproots every weed under which it passes. Its adoption will save two-thirds of the present cost of growing Corn, Potatoes, Cotton, Broom-Corn, Root Crops, etc., besides increasing the yield fully one-quarter, by the thorough cultivation its use necessarily gives. Running as close to the row as a hand hoe can be used, it almost does away with this back-aching implement. In planting nursery stock, cuttings, etc., or preparing ground for root crops, when it is necessary to pulverize eight or ten inches deep, this Scarifier will do more and better work in one day than twenty men with garden forks, leaving the ground level, and as light as the most careful forking can make it. Ground thus prepared—and *easily kept pulverized* by this implement—will not be affected by drouth, and surplus water finds egress below the roots, leaving the surface dry and warm.

Price of Scarifier, complete, $20.00.

Descriptive Illustrated Circulars mailed to all applicants.

THE PHILADELPHIA BROADCAST SEED SOWER,

For Sowing Oats, Barley, Wheat, Rye, Buckwheat, Clover, Rice, Timothy, Lime, Bone Dust Fertilizers, Flaxseed and varieties of Grass Seeds.

The superiority of this Seed Sower over all others is in its uniformity of sowing all kinds of Seeds; its easy adjustment to any farmer's wagon; its durability and breadth of cast. At the walking-gait of a horse it will sow from twelve to fifteen acres per hour.

It is impossible for the machine to choke, no matter how dirty the seed may be.

With this machine the farmer can sow all kinds of cereals a greater breadth than any machine in the market, and will be far more uniform than if sown by the hand.

Its simplicity places it in the lead of all broadcast Seed Sowers. It can be attached to any ordinary wagon without the slightest damage to it.

The rapidity and uniformity with which it distributes both Seeds and Fertilizers should not only highly recommend it, but make it an indispensable machine with every farmer in the country.

The farmer can regulate by the gauge in the hopper the quantity he wishes to sow per acre.

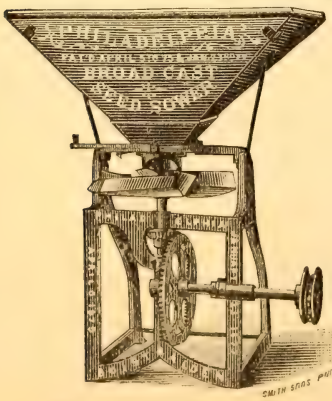
Taking the capacity of the best Drill to be 8 to 10 acres per day, farmers can judge which is the most economical, when this machine, weighing less than 100 pounds, will sow from 12 to 15 acres per hour.

We also wish to call attention to the fact that this machine does not require the ground to be prepared further than plowing. The harrowing can be done after the sowing. And it is scarcely necessary to state, that this machine will sow on ground where no drill would dare to venture.

Thousands of visitors, during the Centennial Exhibition, viewed the fields that were sown near the Exhibition, and were surprised at the uniformity of the Grain when standing; and from whom have been received numerous testimonials, accompanied by orders for machines. With the No. 1 Machine we can sow the following with uniformity:

Wheat, 50 feet; Oats, 40 feet; Barley, 50 feet; Clover, 40 feet; Buckwheat, 50 feet; Timothy, 35 feet; Rye, 50 feet; Orchard Grass, 25 feet. No. 2, or hand, about one-half of the above distance.

Price, No. 1 Machine, complete, $30.00. No. 2 Machine, complete, $6.00.



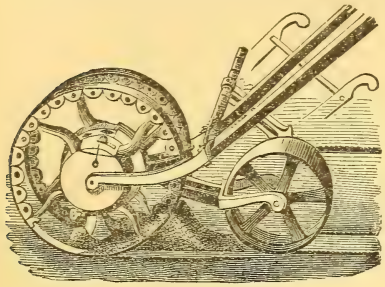
No. 1.—Horse-Power.

No. 2.—Hand-Sower.

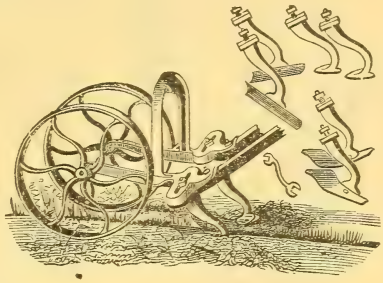
THE 1879 PLANET Jr. HAND SEED DRILLS, WHEEL HOES AND HORSE HOES.

The Planet Jr. goods have been awarded numerous *medals*, including the Franklin Institute Silver Centennial Bronze, Erfurt, Germany, Bronze, &c., besides large numbers of first premiums at widely scattered State and County Fairs.

For 1879 they are offered with important new and pleasing features.



Planet Jr. No. 2 Drill at Work.



Planet Jr. Double Wheel Hoe—1st Hoeing.

THE PLANET Jr. COMBINED DRILL, WHEEL HOE, WHEEL CULTIVATOR AND WHEEL PLOW.

Every reader of our Catalogue having a vegetable garden, large or small, should own this delightful labor-saving tool. It sows all garden seeds accurately—opening, covering, rolling down, and marking next row, all at one operation. By removing one bolt it can be quickly made into an admirable garden cultivator, wheel hoe or wheel plow, performing garden work in the best manner possible. As a plow alone it will put the garden in admirable order, and keep it so, its work equaling in quality that of a horse cultivator, besides opening furrows, covering, hilling, &c. Price, $14.00.

The Planet Jr. No. 2 Drill—No Hoeing Attachment.—The hopper revolves with the carrying wheels, thus avoiding complicated stirring devices, while preventing clogging, and insuring regular dropping. Regularity of depth and evenness of covering are insured by the arrangement of the plow. A good marker, a self-clearing plow, and absence of all gearing and agitators, leave these drills without a rival in durability, simplicity and ease of management. Price, $12.00.

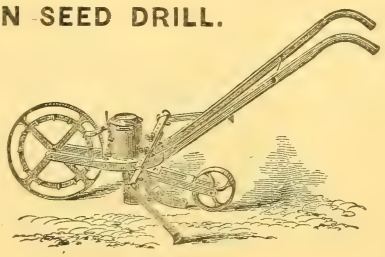
The Planet Jr. Double Wheel Hoe will do the work of five to ten men with hand hoes among Market, Garden and Root Crops and Small Nursery Stock, and is especially adapted to Onion Culture, etc., finishing most perfectly *both sides of the row at once.* The wheels can be set two, six or ten inches apart. It has *three pairs* of hoes, plows and cultivator teeth, capable of almost every variety of work. It cuts from six to sixteen inches wide, throwing to or from the row as desired. Price, $9.00.

The Planet Jr. Horse Hoe.—This is the most recent and valuable improvement in Horse Hoes. A wrought iron frame, with tempered and polished steel blades, make it light, strong, easily managed and very durable. Particularly useful in tending Corn, Potatoes, Broom Corn, Cotton, Tobacco, Rice and Roots, in all stages of their growth. The side hoes are reversible, throwing to or from the row as desired, leaving the ground level or ridged, much or little, and saving most of the hoeing. Price, $12.00.

The Firefly Hoe.—In the Spring of 1879 we sent out our Combined Seed Drill with a new plow. We knew that when rightly used, this plow was a valuable implement, but we were not prepared for the demand they found. Our catalogue reaches nearly every one interested in such goods, and all our old customers who use the Planet Drills, and whenever either the cut or the machine was seen, the Plow was wanted. We had so many orders for the separate tool, that we decided to make our Firefly Plow. We find every one who uses them pleased and surprised, and unsolicited testimonials reach us from every one sold. They are what you needed every time you tended your garden. Price $3.50.

Send for complete descriptive circulars showing the combined machine in four different combinations, and giving ample testimonials.

MATTHEWS' GARDEN SEED DRILL.

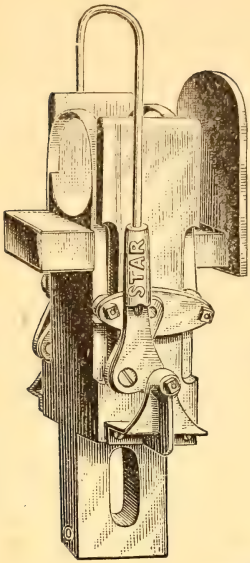


The Matthews' Garden Seed Drill is now everywhere acknowledged to be the most perfect and reliable drill in use for planting all kinds of vegetable seeds. It always gives the best satisfaction, and never gets out of order.

Its latest improvement is an *Indicator, with names of different varieties of seeds on it,* which regulates the change from planting one kind of seed to another with ease and accuracy. It is the simplest and best arrangement yet conceived. *No other drill has it.* Price, $12.00.

Matthews' Hand Cultivator is a most valuable improvement for weeding between row-crops and elsewhere. It spreads from six to fourteen inches, and is so easily operated that a boy can do as much with it as six men with hoes. Price, $6.00

Matthews' Combined Drill and Cultivator is a very perfect little implement, and performs the work for which it was designed in a very satisfactory manner. Price, $12.00.



STAR ASPARAGUS BUNCHER.

In offering this Machine to the public, we feel no hesitation in claiming that it is the most simple, compact, durable, and at the same time the most powerful Bunching Machine ever made, and that a child 10 or 12 years old can bunch, tie, and prepare for market more Asparagus than a man could by the old process; the bunches being of uniform size and shape, and put up tight enough to prevent falling to pieces in handling; thereby preventing loss, and making for it a more ready sale, as very much depends on condition of its arrival in market as to the prices obtained for it.

DIRECTIONS FOR USE.

Cut a mortise in the table the size of the tenon on lower end, put in the table and fasten it firmly by driving a wedge in the hole in the tenon on the under side of the table; in using, open the buncher by turning the lever over to the right hand side, lay the Bast Tie on the blocks on each side close to the springs, fill in the asparagus to make a bunch, laying it straight and putting the heads against the end guide, then turn the lever to the left and tie, with a sharp knife cut the butts off evenly; a little practice will show the quantity to put in to form a bunch. Price, $3.00.

TYING MATERIALS.

Roffea, per lb	$0.75
Cuba Bast, best	.75
American, do	.40

BATEMAN'S HAND-PLOW.

This is a new and very neat all-steel mold-board hand-plow. The side handle and set for regulating depth make it the most manageable tool of the kind yet introduced. Price, $2.00.

FOR GARDEN, GREENHOUSE, AND OTHER PURPOSES.

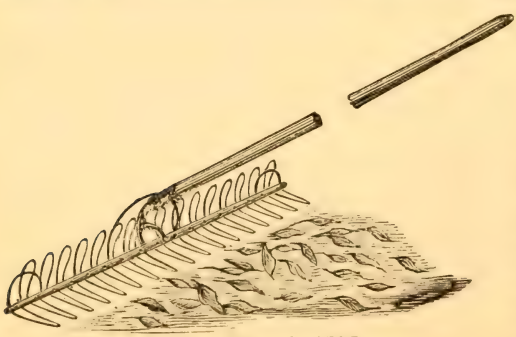
These tags will be found far more economical than the common wooden ones, and are a useful and neat appendage to Plants, Trees, &c. The ink, when used with a clean quill or other pen, marks a jet black, and weather or time has no effect on the writing. The marking may be erased by Emery paper, and the name on the tag changed as may be desired. Tags *(in four sizes)*, 10, 15, 20, and 30 cents per dozen. Ink, 35 cents per bottle. *Boxes containing 4 dozen Tags, 1 dozen each size, a pen, 1 bottle of ink, 3 dozen plated wires, and emery paper. Price* $1.00.

Either size Tag may be had separate, by the gross, hundred, or thousand.

Galvanized Wire Verbena Pins.—Largely used for pegging down Verbenas, &c.; also for layering Carnations, Picotees, &c. Per box (1 gross), $1.00.

THE DAVIS LAWN RAKE.

Made in the most thorough manner, of the best material, best quality of Spring Steel Teeth.



A PERFECT IMPLEMENT FOR CLEANING LAWNS FROM LEAVES, GRASS, AND ALL KINDS OF RUBBISH, AND THE ONLY ONE THAT WILL DO IT WITHOUT INJURING THE GRASS AND ROOTS.

Will level and prepare a garden bed for the seed better and quicker than any other tool. Will clean a race track perfectly. Just the thing for ladies wishing open air exercise. A man with one will do the work of six or eight men in a superior manner. The work is light and easy, as the rake is drawn over the ground instead of being carried. *Landscape gardeners will use no other after trying this.* Grass will grow faster and look much better after being combed a few times with the Rake.

Patented Dec. 17, 1878.

It requires many years of great care to produce a fine Lawn, which may be injured and perhaps ruined in a short time by using common rakes. Price, $1.00.

SHOWERERS.

For besprinkling plants in rooms, and bouquets for bouquet-makers. Plants that are watered with this showerer once or twice per day will grow exceedingly well, and always present a fresh and good appearance. This will also be found very useful in sprinkling the surface of the ground upon which delicate seeds have been planted—also in watering the young seedlings as they come up.

Fig. 1.

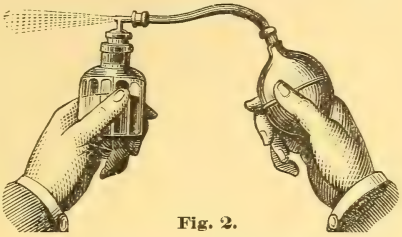
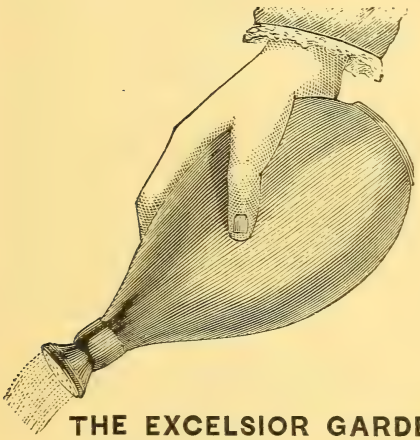


Fig. 2.

Fig. 3.

Fig. 1.—Glass Tubes, with brass connections, 25 cents each.
Fig. 2.—With India Rubber Ball and Glass Bottle, to contain the liquid, $1.50; by mail, $1.60.
Fig. 3.—With India Rubber Ball, and Glass Bottle, German pattern. By mail, $1.00.

ELASTIC PLANT SPRINKLER.



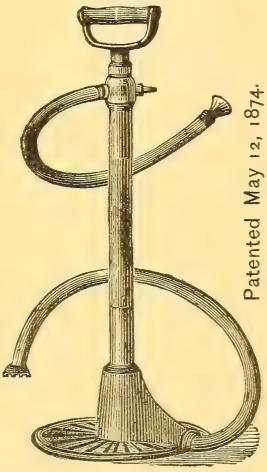
This article is made of rubber with a flat bottom. The cap is of brass, finely perforated, which can be removed if desired. An indispensable article for showering the foliage of plants, thereby keeping them in a healthy condition; sprinkling bouquets and dampening clothes. Price, $1.00; by mail, post-paid, $1.25.

THE EXCELSIOR GARDEN PUMP.

This compact, portable, and generally useful pump can be used for every variety of purpose. All its working parts are of brass. Easy access to the valves is gained, and the workmanship throughout is substantial.

It is applicable to all horticultural purposes, for watering gardens, conservatories, orchards, or washing houses, windows, carriages, etc., and its value is enhanced by the circumstance that its utility is not restricted to the garden; from its power and portability it will be found of the most essential service in case of a fire.

It is fitted with discharge and suction hose for drawing water from a stream, tank or pail, simple in construction, and easily worked. It throws a continuous stream. Price, $9.00.



Patented May 12, 1874.

The Excelsior Pump.

IMPROVED BRASS GARDEN SYRINGES.

Of various sizes and patterns, applicable for all horticultural purposes in the conservatory, forcing house and garden; fitted with caps or roses for ejecting water in one stream, or dispersing it in the most gentle manner, or with great force when required.

No. 0.	Unpolished, one spray rose, for throwing whale oil soap, liquid tobacco, etc.		$2.25
" 00.	" " "		2.75
" 1.	Polished, " "		3.00
" 2.	"	Ladies' Syringe, small size, with three roses	4.75
" 3.	"	three roses	7.00
" 4.	"	five roses. See page 127, No. 62	7.50
" 5.	"	three roses. See page 127, No. 64	7.50
" 6.	"	single spray goose-neck. See page 127, No. 61	7.50
" 7.	"	three roses, same as No. 5, but having a knuckle-joint turning in all directions, for washing the under surface of the leaves of plants, cleaning them from insects, etc	9.50

PLANT STAKES, POT PLANT AND GARDEN TRELLISES.

These very useful and ornamental articles are invaluable for training plants, shrubs, vines, etc., either when grown in pots or in the open border. The Trellises are made of reeds, painted green; are very light, and retain their shape and form better, and are much cheaper than those made of wire.

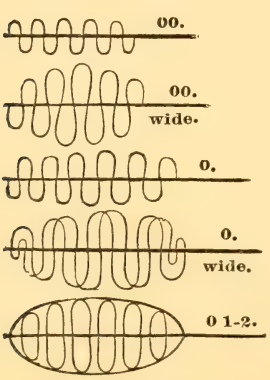
Price List of our Regular Sizes. In ordering, the numbers will suffice.

TURNED PLANT STAKES, ROUND, TAPERING, PAINTED GREEN. LIGHT, NEAT AND TASTEFUL.

	Each.	*Doz.*	*Hund.*
5 feet long x 5-8 inches diameter	$ .10	$1.00	$7.00
4 feet x 9-16 " "	.08	.70	6.00
3½ feet x 9-16 " "	.06	.60	5.00
3 feet x 1-2 inch "	.05	.50	4.00
2½ feet x 7-16 inch "	.04	.40	3.00
2 feet x 3-8 inch "	.03	.30	2.00
1½ feet x 5-16 inch "	.02	.15	1.00

	Round Sticks, Painted Green, with White Tops.		*Square Sticks, Painted Green.*	
	Per doz.	*Per hund.*	*Per doz.*	*Per hund.*
2 feet long	$0.60	$4.00	$ .40	$2.50
3 " "	0.80	6.00	.60	4.00
4 " "	1.00	7.50	.70	5.00
5 " "	1.25	9.00	.80	6.00
6 " "	1.50	10.00	1.10	8.00

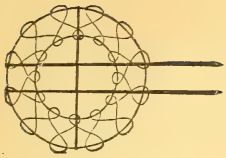
	Each.	*Doz.*	*Hund.*
Dahlia Sticks.—2 feet long	$ .04	$ .40	$3.00
— — 2½ " "	.05	.50	4.00
— — 3 " "	.08	.70	6.00
— — 4 " "	.12	1.25	8.00
— — 5 " "	.15	1.50	10.00
— — 6 " "	.18	1.75	12.00



	Each.	*Doz.*
No. 00.—This cut represents our smallest size 18 inch stick, 3½ inches wide	$0.08	$0.75
No. 00, wide.—20 inch stick, 8 inches wide	.10	1.00
No. 0.—24 inch stick, 8 inches wide	.12	1.20
No. 0, wide.—24 inch stick, 8 inches wide	.15	1.50
No. 0 1-2.—24 inch stick, 7½ inches wide	.20	2.00
No. 1.—This trellis is shown in cluster cut herewith; 30 inch stick, 10 inches wide, and is the best selling trellis we make	.30	2.50
No. 2.—This trellis is also shown in the same cut; 24 inch stick, 14 inches wide	.40	4.00
No. 3.—Same pattern as No. 3½; 3 foot stick, 13 inches wide	.50	4.50
No. 3 1-2.—This is the center trellis in cluster cut herewith; 3½ foot stick, 14 inches wide	.60	5.50

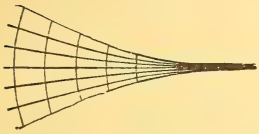
Veranda Trellises.—This represents the 5, 6, 7 and 8 feet Veranda Trellis. This trellis is extensively used, and it is particularly adapted to high climbing shrubs and vines, can be made of any desired size, and is mostly used upon Verandas, where it is very ornamental.

	Each.	*Doz.*		*Each.*	*Doz.*
5 feet	$ .90	$10.00	7 feet	$1.25	$13.50
6 feet	1.00	11.50	8 feet	1.50	16.00



Ivy Trellises.—This cut represents a 20 inch Ivy Trellis, 16 and 24 inches, same pattern.

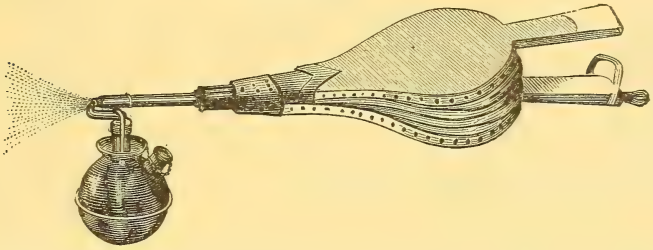
	Each.	*Doz.*
16 inches	$0.65	$7.00
20 inches	.85	9.00
24 inches	1.00	11.00



Fan Trellises.—This cut represents 3½, 4, 5, and 6 feet Fan Trellis.

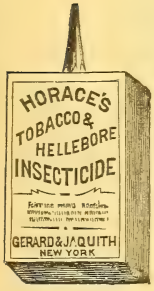
	Each.	*Doz.*
3½ feet	$0.60	$6.00
4 feet	.75	7.00
5 feet	.80	9.00
6 feet	.90	10.00

NEW BELLOWS SYRINGE.



A French invention for showering plants with insect-killing liquids, or clear water, operating the same way as the well-known perfume sprinkler of the drug stores, and the atomizer, or spray producer, of the surgeons. The liquid to be used is put into the brass globe and the bellows worked; a fine spray issues in such a copious stream that it is easy to reach every part of the plant and bedew it with whatever insect-killing liquid may be desirable. One great advantage of this apparatus is its economy. In the ordinary methods of treating plants with liquid insecticides, a very large share is wasted, while with this only so much as is needed to just moisten the leaves and stems, need be used. Carbolic Soap, and other preparations of Carbolic Acid, Whale Oil Soap, Tobacco Water, infusions of Quassia, Camomile, and Pyrethrum (Persian Insect Powder), and solutions of Salt, Carbonate of Ammonia, and Aloes, or whatever may be found useful against any particular insect, may be employed. It will also be found a most useful implement for showering the foliage of house plants with tepid water during Winter, to cleanse them from dust and keep the foliage in a healthy condition. **Price, $3.50 each.**

FOR THE DESTRUCTION OF INSECTS, Etc.



HORACE'S TOBACCO AND HELLEBORE INSECTICIDE.

In Patent Bellows Box, for Rose Bugs, Aphis, and Plant-Infecting Insects.

HORACE'S PERSIAN INSECT POWDER.

In Patent Bellows Box, for Ants, Croton Bugs, Bed-Bugs, Fleas, and Lice on Animals and Household Pests.

These Powders have both a well-established reputation as being very effective and as non-poisonous to animal life. Their efficiency depending largely on being applied in fine dust, the very durable Bellows will be found a most useful and effective addition. It may be refilled.

Price, complete, 25 cents each; $2.25 per dozen.

Jacques' Sapo Tabacum, or Tobacco Soap.—A universal remedy for the pests of the gardens and nurseries, etc. The most convenient, cheap, and potent specific for the destruction of insects, parasites, and their eggs, infesting plants. Also, an efficient specific for the destruction of ticks and other parasitic vermin on sheep and domesticated animals. **Price, 40 cents per lb.; five pounds for $1.75. By mail, 16 cents per pound extra.**

Gishurst Compound.—An English preparation, highly recommended for preventing and destroying RED SPIDERS, SCALE, MEALY BUG, THRIP, GREEN AND BROWN FLY, etc.; also, for winter dressing and washing walls, frames and sashes of greenhouses. **Price, per box, $1.00; by mail, $1.20.**

Parmenter's Patent Preparation.—For the destruction of MEALY BUG, RED SPIDER, THRIP, SCALE, APHIS, and all kinds of insects; also, MILDEW ON VINES, FRUIT TREES, and PLANTS of all descriptions. It has been proved to be the most effectual application ever offered for the destruction of insects. **Small Stone Bottle, with Brush, $1.00; by mail, $1.25.**

Whale Oil Soap.—For preserving Plants, Flowering Shrubs, Vines, and particularly Rose Bushes from the destructive effects of Slugs, Grub Worms, etc. **2 lbs., 35 cents; 5 lbs., 80 cents; 10 lbs., $1.50. By mail, 16 cents per lb. extra. Tin Syringes, for applying the above, $1.00; Brass Syringes, $2.00 to $9.00.**

AMERICAN PRUNING SHEARS.

Wiss American Pruning Shear will be found the most desirable as well as most durable made. In four sizes: 7½ in., $1.75; 8 in., $2.00; 8½ in., $2.25; 9 in., $2.50.

THE EUREKA FUMIGATOR.

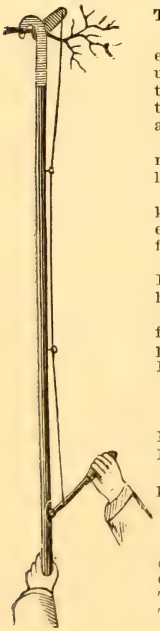
In this article we offer an effectual apparatus for the fumigating of greenhouses, etc., doing away with the necessity of being smoked almost to death by the old mode, as it required constant attention to prevent the tobacco-stems from burning to a blaze, and destroying the plants in getting rid of the pests that infest them.

This Apparatus is of simple construction, and not liable to get out of order. When once lit, it is self-acting, and may be left in the house with perfect safety, as flaring or setting anything on fire is an impossibility, while all the material is completely consumed without waste, and given off in a dense smoke, filling a house in a short time, thus insuring the entire destruction of insect life.

It can be used for fumigating *Greenhouses, Conservatories, Pits, Frames, Hospitals, Ships, Poultry-houses, etc.; for destroying Vermin or Purifying Rooms.* Directions for use sent with each machine.

No. 1. Height 12 in., diameter at top, 5 in.; suitable for a small greenhouse. Holds ½ peck of stems..... Price, $2.00
No. 2. Height 16 in., diameter at top, 7 in.; suitable for a medium sized greenhouse. Holds 1 peck of stems..... " 3.00
No. 3. Height 20 in., diameter at top, 9 in.; suitable for a large greenhouse. Holds ½ bushel of stems..... " 4.00
No. 3. Made of extra heavy iron, galvanized, will be found very durable..... " 5.00
No. 4. Height 24 in., diameter at top, 12 in. Holds ¾ bushels of stems..... " 8.00
No. 4. Made of extra heavy iron, galvanized, will be found very durable..... " 10.00

WATERS' IMPROVED TREE PRUNER.



The following are some of its Advantages:

1st. The peculiar construction of the hook which encircles the limb, the support of the blade being upon both sides, which is very important, allowing the blade to be made very thin, thereby reducing the resistance of the wood and making an easier and smoother cut than any other device.

2d. The knife being connected by a rod, the pole may be of any desired length, thus requiring no ladder or climbing.

3d. The small space required for working the knife allows it to be used among close, dense branches, where great difficulty is found in using the old-fashioned shears.

4th. For pruning Raspberry, Blackberry, and Rose bushes, the thorns of which are annoying, it has proved peculiarly serviceable.

5th. For removing worms' nests and thinning out fruit it is very desirable, and can be used as a fruit picker.

Length of pole, 4 feet.		Weight, 2⅓ lbs.	$2.50
" " 6 "		" 2¾ "	2.75
" " 8 "		" 3½ "	3.00
" " 10 "		" 4⅓ "	3.25
Extra Knives, each			.30
Extra Knives, per dozen			3.50

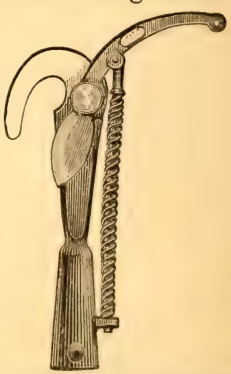
Extra blades by mail, post-paid, on receipt of price.

New French Watering Pot.

See illustration and description in our *Amateurs' Guide to the Flower and Kitchen Garden.*

One gallon..... $2.50
Two gallons..... 3.00
Three gallons..... 3.75

BAUMANN'S Tree Pruning Shears.



These Shears are attached to a pole, and operated by means of lever, moved by a cord. It enables a person standing on the ground to prune trees, some of the branches of which could not, perhaps, be as well pruned by any other instrument. Branches of one inch and a half in diameter may be easily cut off with this instrument.

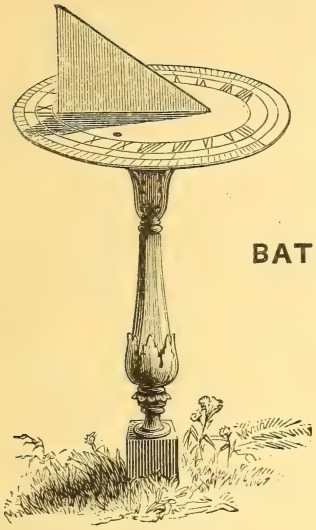
Price, No. 1, $3.50; No. 2, $3.00, without handles.

AMERICAN FAMILY FRUIT-DRIER.

Fruit prepared on **the American Fruit-Drier** has taken the **first premiums wherever exhibited. With the American Fruit-Drier**, surplus fruit of every kind, and also that which from over-ripeness or inferior size or quality is unfit for marketing in the unprepared state, can all be converted into a marketable commodity, which, from its excellence, will command the highest price. Such fruit as is prepared by this means is now selling in this city at an average of fifty per cent. more than ordinary dried fruit.

The first premium, a Silver Medal, was awarded to Ryder's American Fruit-Drier, at the Maryland Institute, 1873, when it received the unqualified approval of the Committee. Price, including stove, $50.00. Descriptive Circulars sent to all applicants.

SUN DIALS.

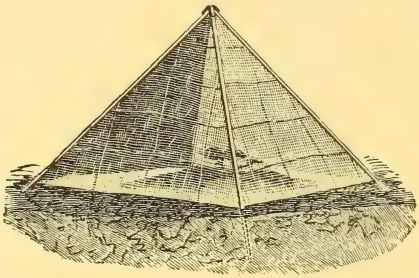


Sun Dial.

These are not only useful in giving the sun time, but ornamental on lawns and in pleasure grounds and gardens, when set on handsome pillars in the full exposure to the sun. They are made of metal, 10 inches in diameter, and graduated to every ten minutes from sunrise to sunset. To get the sun time, set level by compass, with the style pointing due north, or to the North Star; or set by the correct clock time at noon, making allowance for the clock time fast or slow by the almanac. The pillars should be about three and a half feet high, and may be made of wood, iron or stone, according to fancy.

Price of the Dial without the Pillar, $1.50; Ornamental Iron Pillars and Posts from $5.00 upwards.

BATES'S FOLDING PLANT PROTECTOR.



The simple arrangement represented above is useful to all who have a garden. It not only protects from bugs, borers, and fowl, but subdues all violence of wind, rain, and cold; keeping off light frosts, and facilitating the growth of young plants in a wonderful degree. Adding to all this their durability, portability, and cheapness, the purchaser will find he has made a good investment. They fold like an umbrella, and *one dozen will make a package four inches square and twenty-two inches long.* When open they cover nineteen inches square. When folded, one hundred and fifty can be put into a common flour barrel. With fair usage they will last ten years, for they are made of durable netting, firmly fastened between two closely fitting pieces of wood, with tinned tacks securely clenched. **Price, 15 cts. each; $1.50 per doz.**

DIRECTIONS FOR SETTING.—To set them take hold of the stakes, and with a flirt make them spread over the hill, then with the left hand resting lightly on the top, with a hoe strike a light clip under each stake. They will settle at once properly extended. More than 100,000 have been sold and used in the vicinity of Boston.

SELF-HEATING SOLDERING IRON.

Every housekeeper should have a Gem Soldering Casket, as it contains all the implements necessary to make every person their own tinsmith. An economical person can see at a glance that from ten to twenty-five cents can be saved, and the annoyance of leaving their house (just when in want of using a vessel they have discovered that it leaks) to find a tinsmith, perhaps on a roof, or too busy just then to attend to jobbing; it may be that his fire is out, and it would cause him time and trouble for so small a job; hence the Gem comes in play, and its value is unprecedented in every household. This little Gem pays for itself in soldering one dozen fruit cans, and does away with the inconvenience of carrying cans full of hot fruit or vegetables to the tinsmith's to have them soldered, or the annoyance of waiting for the tinsmith to come to the house and solder up the cans. It is also very useful in opening fruit cans, as it will open them instantly, by simply heating the iron and rubbing it over the soldered top, and therefore preserving the can for future use. The Casket contains a Self-Heating Soldering Iron, Scraper for cleaning place to be soldered, a Bar of Solder, and a Bottle of Soldering Salts. Where there is no gas the iron can be heated in the stove. Price, $1.00. By mail, $1.16.

GARDEN ROLLERS.

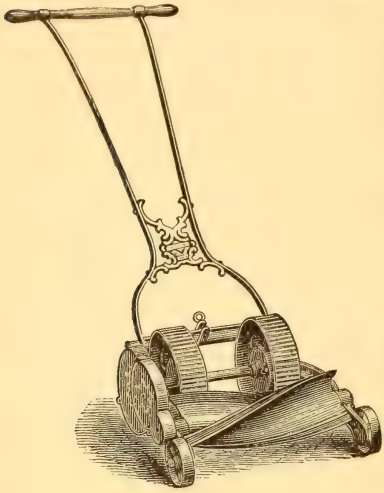
WEIGHTS KEEP HANDLE ERECT.

2 Sec.,	7½	in. face,	15	in. diameter,	with weights about	125	lbs.	$ 8.00
1 "	12	"	20	" "	"	140	"	10.00
1 "	20	"	20	" "	"	220	"	14.00
2 "	12	"	20	" "	"	300	"	18.00
3 "	12	"	20	" "	"	450	"	25.00
1 "	12	"	24	" "	"	200	"	13.00
2 "	12	"	24	" "	"	400	"	22.00
1 "	12	"	28	" "	"	250	"	16.90
2 "	12	"	28	" "	"	500	"	26.00
3 "	12	"	28	" "	"	700	"	40.00

We deduct for Weights when not wanted, from $2.00 to $5.00.

THE NEW CHARTER OAK LAWN MOWER.

Be sure and see it before you buy. Emphatically the best and most beautiful Lawn Mower in the World.



The extraordinary large sale of this machine last year, the popularity which it attained in this country and Europe, and the hundreds of testimonials received, are sufficient evidence of its great superiority,—and it stands to-day at the head of the list of Lawn Mowers in the United States.

It is a model of beauty, very compact, beautifully finished and thoroughly made; and to those desiring a perfect Lawn Mower, we will say that you will find the "CHARTER OAK" far superior to any other, as it is far more durable, easier to adjust, operate and keep in order, and the driving wheels being inside the frames, enables the operator to cut the grass clean around walks, drives, flower-beds, trees and shrubbery.

SIZES AND PRICES.

10 inch	$13.00
13 inch	16.00
15 inch, Standard	20.00
18 inch, for large lawns	24.00
28 inch, Pony Mowers	100.00
32 inch, Horse	125.00

Should any of our customers want a full roller Lawn Mower, we would recommend the "Archimedean," new style. Sizes and prices as follows:

10 inch...$14.00 | **12 inch**...$16.00 | **14 inch**...$20.00

Descriptive Circulars mailed to all applicants.

EXCELSIOR LAWN MOWERS.

12 to 20 Inch Roller Mowers.

10 Inch Cut	$14.00	**16 Inch Cut**	$22.00
12 " "	18.00	18 " "	24.00
14 " "	20.00	20 " "	28.00
15 " "	21.00		

HORSE MOWERS.

25 Inch Cut, without Seat or Shafts	$ 75.00
30 " " with Seat and Shafts	125.00
35 " " " " "	160.00
40 " " " " "	200.00

Shafts for 25 Inch Mower will be furnished for $10.00.

THE PHILADELPHIA LAWN MOWER.

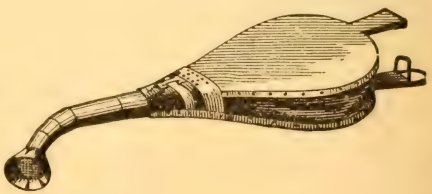
The Philadelphia is not a new Lawn Mower, but several recent improvements, together with its simplicity of construction and lightness, have deservedly made it a general favorite.

10 Inch Cut	$14.00	**16 Inch Cut**	$22.00
12 " "	18.00	18 " "	24.00
14 " "	20.00	20 " "	26.00

SULPHUR BELLOWS.

Or Floral and Vintage Flour of Sulphur Duster.

For the EXTERMINATION OF BUGS, WORMS, and all INSECTS; likewise MILDEW UPON GRAPE VINES. By the use of this implement the Flour of Sulphur can be evenly distributed over every part of the affected plant. **Price, $2.50.**

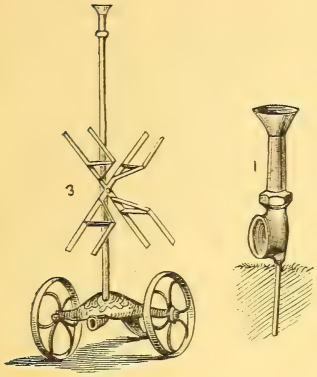


FLOWER HOLDER.

A very simple contrivance, which can be used for button-hole bouquets, or ladies' head-dresses. Price 10 cts. each. $1.00 per dozen by mail.

ACME LAWN SPRINKLER AND FOUNTAIN.

THE MOST EFFECTIVE AND SIMPLE LAWN SPRINKLER MADE.



With the usual force of water furnished by water works it will sprinkle a space from thirty to forty feet in diameter, possessing the great advantage of breaking the water into fine particles and distributing it evenly upon the surface it covers. It has no working parts to wear out, nor small perforations to stop up with any sediment that may be in the water. By a simple mechanical appliance the motion is given to the water instead of the Sprinkler. It is portable. No. 1 weighing only 8 ounces; No. 2 only 5 pounds, and No. 3, with Hose Reel attachment holding one hundred feet of Hose, 15 pounds.

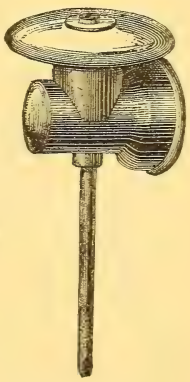
No. 1, by Express, at expense of purchaser, $1.00; by mail, prepaid, $1.25.

No. 2, $2.50. **No. 3,** $4.00. Sent only by Express at expense of purchaser.

REVOLVING LAWN AND GARDEN SPRINKLER.

Fairy Nozzle.

The "**Perfection**" is warranted by the inventors to accomplish as much as any sprinkler in the market, at the same pressure. Its superiority is shown by its simplicity, ease with which it can be cleared of any obstructions, and effectiveness while working in a strong wind. The circle watered can be reduced to any desired size by turning the supply partly off. By its simple construction, it can be used with equal facility on hill-side or terrace. In connection with a force pump, it can be used with good effect in greenhouses, hot-beds, &c. The bearings and working parts are made of brass, and it is complete in itself; has only to be screwed to the hose, and the pin stuck in the ground, to be used. Price $1.25. By mail, $1.40.



Perfection Sprinkler.

THE FAIRY NOZZLE.

THE ONLY PRACTICAL COMBINATION HOSE NOZZLE.

The interior of the pipe is perfectly plain, without divisions or any irregular holes whatever.

By an ingenious but simple device of the plug alone, this nozzle throws the greatest possible variety of spray, and this, too, *without interfering with the water way for the solid stream,* which is precisely the same as in a plain key-cock pipe.

¾ inch, each..... $1.25
¾ " " with Guard Chain to Tip..... 1.50

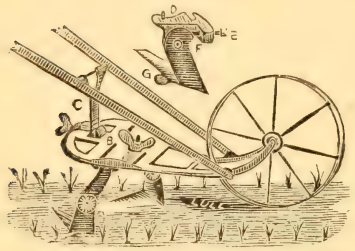
Nickel plated, 25 cents extra.

AGRICULTURAL IMPLEMENTS.

An Illustrated Catalogue of the leading kinds will be mailed to all applicants.

RUHLMAN'S HAND CULTIVATOR.

The Latest and Best Garden Weeder in Use, and is the Cheapest Hoe ever offered to the Public. One Man can do as much Work as Five Men without it. It can be set from 7 to 16 inches in width, and is warranted to work to Perfection.



This superior implement embraces the four essential points requisite for a successful hand cultivator, viz.: *durability, simplicity* of construction, *thoroughness* in work, and *perfection* as a plant protector. It is especially adapted to the culture of all garden crops *(particularly onions)* and nursery stock that require careful hand cultivation in the early stages of their growth.

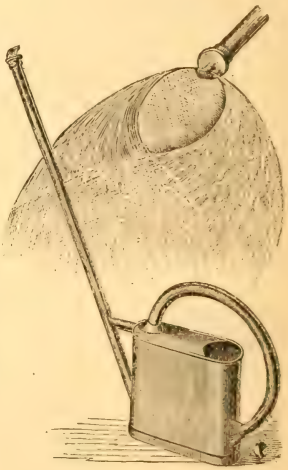
It is easily regulated by set screws, as to the depth of hoeing, the pitch of the knife blades and height of handles. It is easily worked, and does its work with a thoroughness that will satisfy all who try it.

The Frame and Wheel are made of the best cast iron. The Knives are the best cast steel. They cut the weeds only on the inside of the knife, so that any person can walk along within one-half an inch without injuring the smallest or tenderest plant, which no other Cultivator can do. It will do the work of six men with a common hoe.

The Machine weighs only about 35 pounds, and packs closely. Price $5.50, delivered to Express Company or on board cars.

FRENCH WATERING POT.

The engraving shows the form of the pot, which is made of the best galvanized iron and is very durable. It will be seen that it has a very long spout and the round and properly placed handle, which is a great improvement. With a handle of this kind the hand can be placed at just the right point for the implement to balance, and there is none of the strain upon the wrist that is demanded by the ordinary form. A column of water of the length of the spout when allowed to flow comes out with no little force. As the stream of water issues from the nozzle it is intercepted by a flange, which is cast in brass of a peculiar shape, with the effect to break the stream into the thinnest possible sheet of water, of a most beautifully curved form. At the upper part of the engraving the form of the discharge of water is shown, as well as that of the flange which produces the effect. It will be seen that the water is dispersed over a broad space, and its force is so far counteracted and its spread so exceedingly thin that it can be allowed to fall upon small and delicate plants without injury.



	Price.
1 gallon	$2.50
**2 " **	3.00
**3 " **	3.75

RUSTIC HANGING BASKETS, SETTEES AND CHAIRS.

A large stock of various patterns, oval and round, together with a great variety of other rustic work constantly on hand.

	Each.
Rustic Hanging Baskets, bowl 8 inches in diameter	$1.25
Rustic Hanging Baskets, " 9 " " "	1.50
Rustic Hanging Baskets, " 11 " " "	1.75
Rustic Hanging Baskets, " 13 " " "	2.25
Settee for Piazza, extreme length, 7 feet, $30.00. 5 feet	20.00
Settees for Lawns, red cedar, with the bark, 5 feet	13.00
Larger sizes, built to order, $2.00 to $3.00 per foot extra.	
Chairs of Various Patterns, from	$5.00 to 10.00
Lawn Settee, red cedar, with the bark	15.00
Lawn Chairs, " " " "	$5.00 to 7.00
Croquet Chair, " " " "	4.50
Lawn Vase, round 16-inch tub; 3 feet high	7.00
Lawn Vase, square 18-inch box; 3 feet high	10.00

RUSTIC WINDOW BOXES.

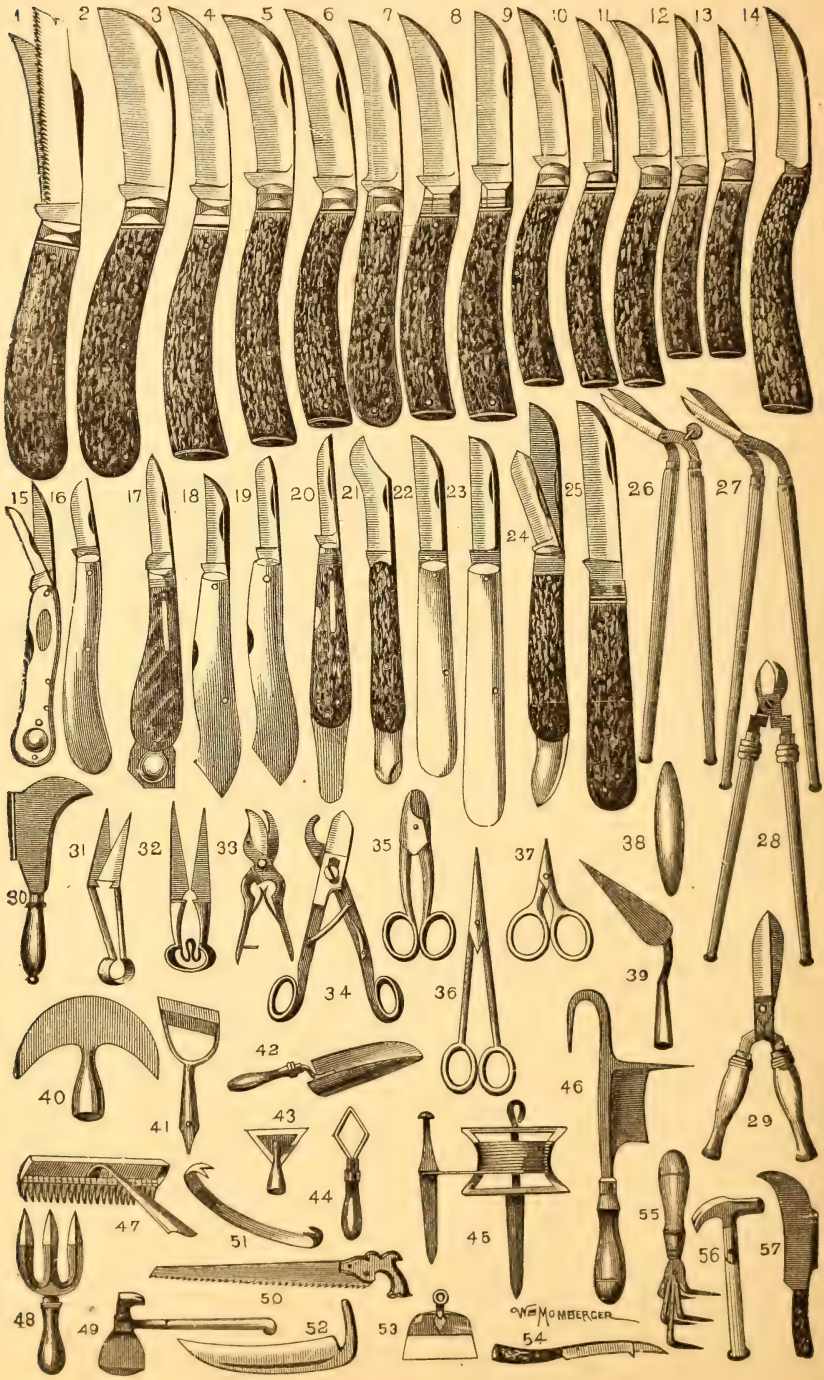
The above will be found very ornamental, as well as useful for growing Bulbs and Plants of all kinds, either inside or outside the window. They can be made of any size that may be required.

No. 1, per lineal foot	$2.25
**No. 2, " " **	2.00

GARDEN AND HORTICULTURAL IMPLEMENTS.

From the Best English and American Manufacturers. See Illustrations on pages 126 & 127.

No.		*Price.*
	1—Pruning Knife, with saw (Saynor's)	$1.75
	2—Pruning Knives.—(Saynor's) $1.25; No. 3, $1.25; No. 4, $1.25; No. 5, $1.00; No. 6, 75 cents; No. 7, $1.25; No. 8, $1.25; No. 9, $1.25; No. 10, $1.75; No. 11, $1.00; No. 12, $1.00; No. 13, $1.00; No. 14, $1.00; No. 25, 75 cents.	
	15—Budding Knives.—(Saynor's) No. 15, $2.00; No. 16, $1.25; No. 17, $1.25; No. 18, $1.00; No. 19, $1.00; No. 20, $1.75; No. 21, $1.75; No. 22, $1.25; No. 23, $1.25; No. 24, $2.00.	
	Pruning and Budding Knives of similar patterns, from other manufacturers	$0.75 to 1.50
	26—Border or Grass Shears, with wheel, 8-inch, $2.50; 9-inch, $3.00; 10-inch, $3.50.	
	27—Border Shears, 8-inch, $2.00; 9-inch, $2.50; 10-inch, $3.00.	
	28—Branch or Lopping Pruning Shears, three sizes, $2.00, $3.00 and $4.00.	
	29—Hedge and Garden Shears, 5½-inch (ladies), $1.50; 8-inch, $1.25; 9-inch, $1.50; 10-inch, $2.00; 12-inch, $3.00; notched, 25 cents extra.	
	30—Garden Bill Hooks, for pruning with one hand	1.50 to 2.00
	31—Spring Grass Shears, for edging	1.25
	32—Sheep Shears, for edgings	1.25
	33—French Pruning Shears, with springs, various sizes, styles and finish, page 122	2.50 to 4.25
	34—Bow Slide Pruning Shears, 7-inch	3.00
	35—Pruning Scissors, with bows, three sizes, $1.00, $1.25 and $1.50.	
	36—Grape Scissors, 6-inch, $1.00; 7-inch, $1.25.	
	37—Propagating Scissors	1.25
	38—Scotch Scythe Stones, 25 cents each; $2.50 per dozen.	
	39—Bayonet Hoe, without handle	.75
	40—Grass Plot Edging Knives, cast steel (Saynor's), 8-inch, $1.25; 9-inch, $1.50; 10-inch, $2.00.	
	41—Dutch or Scuffle Hoes (Saynor's), 4-inch, 35 cents; 5-inch, 45; 6-inch, 55; 7-inch, 60; 8-inch, 70; 9-inch, 80; 10-inch, 90.	
	42—English Transplanting Trowels, blued steel, 6-inch, 75 cents; 7-inch, $1.00; 8-inch, $1.25.	
	Similar pattern of American manufacture, 6-inch, 25 cents; 7-inch, 35; 8-inch, 50.	
	43—Triangular Hoes, used also for Tree Scrapers, 5-inch, 50 cents; 6-inch, 60; 7-inch, 75.	
	44—Noyes' Garden Weeder	.40
	45—Garden Reels, with stakes; English, 8-inch, $1.00; 10-inch, $1.25.	
	Similar patterns of American manufacture	.75 to 1.25
	47—English Lawn Rakes, 16-inch, $2.50; 20-inch, $3.00; 24-inch, $3.50.	
	48—Ladies' Blue Weeding Forks, English	.75
	Similar pattern of American manufacture	.40 to .50
	49—Claw Hatchets	1.25
	50—Pruning Saws, 14-inch, 75 cents; 16-inch, $1.00; 18-inch, $1.25; 20-inch, $1.50.	
	51—Comstock's Weeding Hook	.50
	52—English Lawn Scythes	1.25 to 2.00
	53—English Turnip Hoes, 6-inch	.50
	54—Asparagus Knife	.75
	55—Excelsior Weeding Hook	.30
	56—Garden Hammers	1.00
	58—Ames' Cast Steel Spades	1.50
59, 82	**—Spading and Manure Forks,** cast steel	1.00 to 2.25
	60—Rifle for Sharpening Scythes	.25
	61—Brass Syringe, $7.50; No. 62, $7.00; No. 64, $7.00 and $4.25; No. 65, $2.75; unpolished, $2.50 and $2.00.	
	63—Fountain Pump, brass, with three feet of hose	9.00
	67—Asparagus Cutter	1.00
	68—Ladies' and Children's Garden Sets (4 pieces), according to size and finish, $1.25, $2.00, and $3.50.	
	69—Tin Water Pots, painted green, from 2 to 16 quarts	.25 to 3.00
	71—Grass Hooks or Sickles, English, three sizes, 50 cents, 75, and $1.00.	
	72—Grafting Chisel	1.00
	74—Sacking Needles	.20 to .25
	75—Ladies' Floral Rake and Hoe	.25
	76—Post Hole Spade, Ames' Cast Steel	1.75
	77—Draining Spade, cast steel	1.75
	78—Scythes of various patterns and manufactures	1.00 to 2.00
	79—Scythe Snaths of various patterns	.75 to 1.50
	80—Cast Steel Potato Hooks or Prong Hoes	1.00
	81—Sulphur Bellows, for preventing mildew, see page 124	1.50 to 2.50
	83—Spades and Shovels, long handles, Ames' and others	1.25 to 2.00
	84—Hexamer's Prong Hoe, see page 114	1.50
	85—Hay or Manure Forks	.50 to 1.50
	86—Grain Cradles	3.50 to 5.50
	87—Pruning Saw and Chisel combined	2.00
	88—Ames' Round Point Shovel	1.50
	89—Wooden Rakes, of various patterns and sizes	.50 to .75
	90—Allen's Weeding Hoe, different sizes	1.00 to 1.75
	91—Steel Garden Rakes, 6 teeth, 50 cents; 8 teeth, 70; 10 teeth, 80; 12 teeth, 90; 14 teeth, $1.00; 16 teeth, $1.25; 20 teeth, $1.50.	
	92—Weeding Hoe, old pattern	1.00
93, 94	**—Garden Hoes,** cast steel, various sizes and patterns	.50 to .75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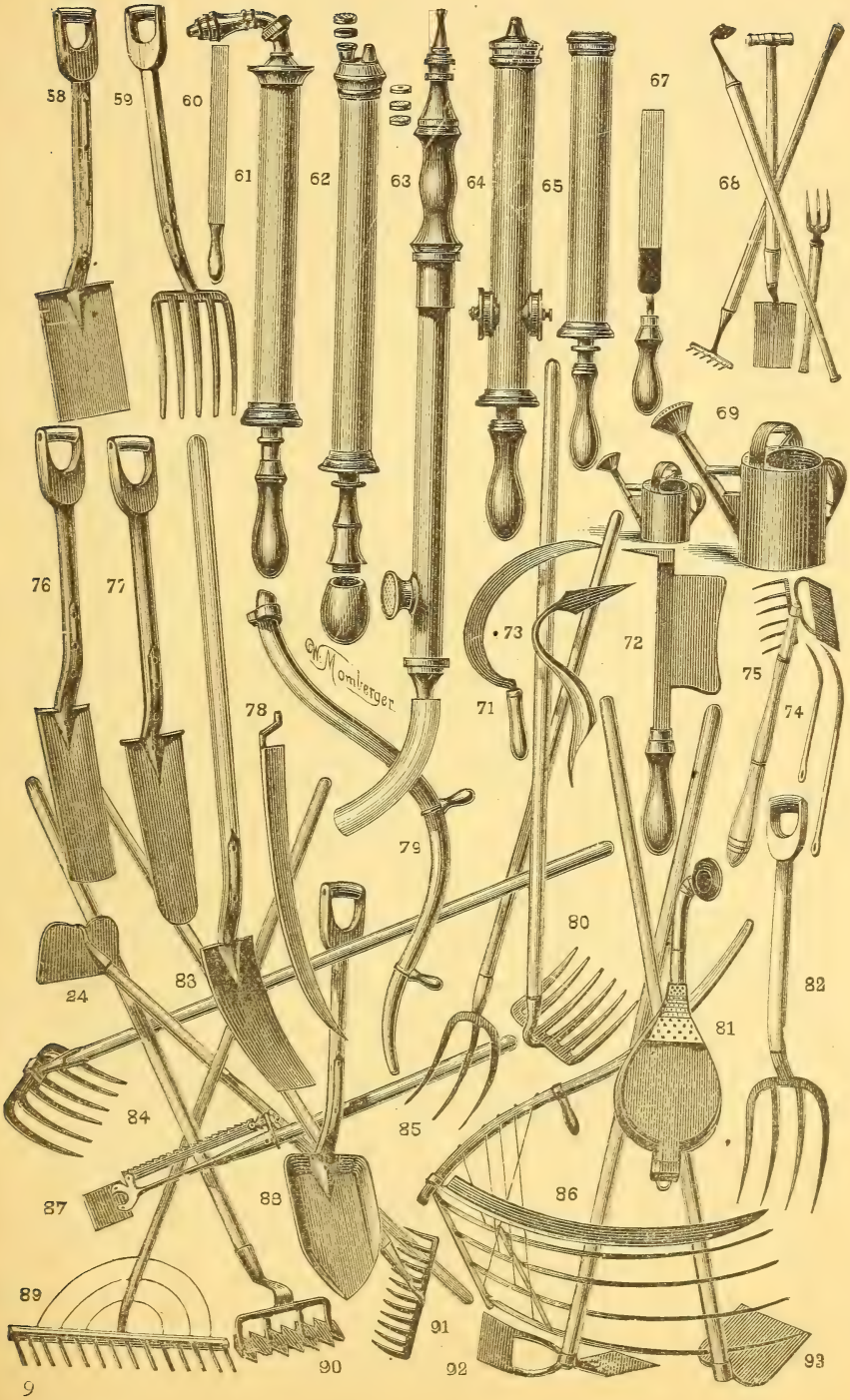
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C. M. Montberger

MAPES'S COMPLETE MANURES,

FOR EACH CROP AND FOR GENERAL USE.

They supply **all the required Ingredients,** in the proportions which practical experience and the feeding powers and composition (analysis) of each crop show to be **best adapted** to its successful and profitable growth. They leave the land in **"good condition."**

PRACTICAL RESULTS—1880.

Potatoes (Burbank's Seedling).—Yield 400 bushels per acre. 800 lbs. Mapes's Potato Manure per acre scattered in the rows. Grown by Robinson Gordon, Manorville, L. I., who writes, October 15th: "I send you one barrel of potatoes raised from your Potato Manure." (160 potatoes filled the barrel and weighed 180 lbs.) "This is the first season I have tried it. I used four bags to the acre, and had remarkably good results from its effects. I had *four hundred bushels to the acre* of the *finest* potatoes I ever raised, remarkably smooth and good flavored, as you will see by the barrel I send you. I have raised potatoes for the last thirty years, more or less, for market, but never had such good results before. I have tried three different kinds of manure this season, but yours has done the best. I shall use it in preference to any other next season."

Potatoes.—E. S. Brownell, Essex Junction, Vt., the well-known originator of "Brownell's Beauty," "Centennial," "Pride of America," and other celebrated seedlings, wrote us, Sept. 27th, 1880: "I bought of you last spring some of Mapes's Potato Manure, which *excelled* any fertilizer that I ever used in *producing smooth* and *large tubers.* I got *one-third more crop* than was produced alongside when it was not used. I expect to use it more extensively another season." These potatoes, as well as the "Pride of America," grown with the Mapes Potato Manure, enlisted the verdict at the several fairs as being the smoothest and finest quality potatoes offered.

Potatoes (Late Rose).—Report of W. H. Walbert, Lanark, Lehigh Co., Pa., Nov. 12th, 1880:

	Bushels per acre.	Quality.
Yield with natural soil	75	Medium.
" " stable manure, 15 two-horse loads	140	Good.
" " * * * *'s Mineral Fertilizer	60	Very poor.
" " Mapes's Potato Manure, 400 lbs. per acre	190	Very good.

"Soil, chocolate loam; season, very dry—had hardly any rain." Mr. Walbert adds: "For potatoes the season was too awfully dry. I wonder only how your fertilizer gave so many potatoes. The year before (1879) was a good season for raising potatoes and the yield was immense. Potatoes are my chief crop."

Corn (Premium Chester Co).—"Yield 300 bushels ears per acre—4 acres—350 lbs. per acre. ($8.50 per acre.) Mapes's Corn Manure, applied broadcast and harrowed in before planting, no farm manure of any kind being used." "Field had been in grass and pasture fourteen years." "Sod over a portion was quite worn out, and the soil, which is gravelly, was hard as a brickbat." "This field we always considered the poorest of the farm. It had not been cultivated for fourteen years."

Corn (Blunt's White Prolific).—"Yield 142 bushels shelled corn per acre—87-100 acres—400 lbs per acre Mapes's Corn Manure and 100 lbs. Mapes's Potato Manure (total cost $12.50 per acre). No other manures used; the field had received no farm manure in seven years."

Reports on the above two corn crops published in *Rural New Yorker,* October 9th, November 13th and 20th, 1880.

These crops were also examined by Prof. A. R. Ledoux, Director of N. C. Station; Dr. F. M. Hexamer, Editor *American Garden;* Dr. Henry Stewart, Agricultural Editor New York *Times;* Mr. E. Williams, Secretary New Jersey State Horticultural Society. It is claimed by the growers of these crops that they comprise the "greatest yield of Indian corn on record produced under inexpensive cultivation without farm manure."

For further description of these crops see New York *World* (weekly edition), October 27th, 1880, in editorial entitled "How to grow extra yields of corn"; also New York *Times* (weekly edition), Oct. 27th, 1880, under heading "Large crops of corn."

Every bag of **Mapes's Manure** is accompanied with a tag, giving composition and *directions for use.*

Mapes's Potato Manure, 600 lbs. per acre. Price, per ton, $51.00; per bag of 200 lbs. $5.10
Mapes's Corn Manure, 400 to 600 lbs. per acre. Price, per ton, $52.00; per bag of 200 lbs. 5.20
Mapes's Asparagus Manure, 1,000 to 1,500 lbs. per acre. Price, per ton, $54.00; per bag of 200 lbs. 5.40
Mapes's Fruit and Vine Manure, 200 to 400 lbs. per acre. Price, per ton, $40.00; per bag of 200 lbs. 4.00
Mapes's Grass and Grain Spring Top Dressing, 600 lbs. per acre. Per ton, $54.00; per bag 5.40
Mapes's Beet and Mangold Manure, 1,000 to 2,000 lbs. per acre. Per ton, $52.50; per bag 5.25
Mapes's Cabbage and Cauliflower Manure. Price, per ton, $50.00; per bag of 200 lbs. 5.00
Mapes's Tobacco Manure (Conn. brand). Price, per ton, $55.00; per bag of 200 lbs. 5.50
Mapes's Sugar Cane Manure. Price, per ton, $49.50; per bag of 200 lbs. 4.95
Mapes's Complete Manure (for clay soils). Price, per ton, $54.00; per bag 5.40
Mapes's Complete Manure (for light soils). Price, per ton, $54.00; per bag 5.40

This last-named manure is particularly adapted for use **on all soils,** for Onions, Early Cabbages, Tomatoes, Cucumbers, Melons, and all early **vegetables.** It hastens maturity some **two weeks** earlier than Stable Manure, and after a long experience with truck growers has proved more economical than any other fertilizer, either for use alone or in connection with Stable Manure.

Mapes's Pure Bone Meal. Price, per ton, $42.00; per bag of 200 lbs $4.20
Mapes's Pure Bone (meal and extra fine). Price, per ton, $41.00; per bag of 200 lbs. 4.10
Mapes's Pure Bone (fine). Price, per ton, $38.00; per bag of 200 lbs. 3.80
No. 1 Peruvian Guano, "guaranteed." Price, per ton, $60.00; per bag 6.00
No. 1 Peruvian Guano (standard). Per ton (2,000 lbs.) 70.00

Full descriptive pamphlet on Fertilizers will be issued about February 15th, and mailed gratis on application.

SPECIAL MANURES for HOUSE or GARDEN PLANTS.

By mail, 16c. per pound, extra.

Lawson's Phospho-Guano.—Prepared and put up in canisters for horticultural purposes. Of this manure Prof. Liebig speaks as follows: "I can say with confidence that I never had in hand a better sort of artificial manure, far superior in quality, also in its efficacy, to the best Peruvian Guano."

Dr. Voelckler says: "I am of the opinion that Phospho-Guano is a uniformly prepared, highly concentrated and a more generally useful manure than Peruvian Guano." This article has been thoroughly tested in various localities in this country for several years past, and has given great satisfaction. It is particularly valuable for the Flower Border, and for city lots, and all other places where there is difficulty in obtaining stable manure. One lb. canisters, 30 cents; 2 lbs., 50 cents; 4 lbs., $1.00; 7 lbs., $1.50.

Standen's Gardener's and Amateur's Friend.—A HIGHLY CONCENTRATED COMPOUND.—One of the richest fertilizing agents known; the volatile principles being chemically fixed, the compound is thereby rendered perfectly inodorous, and may, in consequence, be freely used in conservatory and parlor. Has been highly extolled as being the most safe and valuable fertilizer for all kinds of greenhouse plants, having none of the injurious effects of guano when used in too large quantities. Canisters of 1½ lbs., 60 cents; 3½ lbs., $1.00.

Carter's Fertilizer.—This is specially prepared for gardeners and amateurs; it possesses remarkably stimulating properties in superinducing a quick, healthy and vigorous growth in whatever it is applied to in the way of greenhouse or garden plants. Per canister of 3 lbs., 75 cents.

Prepared Bone Flour.—This is one of the most useful of all fertilizers for **Pot Plants,** such as **Roses, Geraniums, Heliotropes, Salvias,** etc., etc., also may be used as top-dressing for all kinds of **House Plants** when planted out into the flower border during the Summer. In boxes of about 2 lbs. each, 35 cents.

Bliss's Plant Food.—A HIGHLY CONCENTRATED COMPOUND.—One of the richest fertilizing agents known; the volatile principles being chemically fixed, the compound is thereby rendered perfectly inodorous, and may, in consequence, be freely used in conservatory and parlor. A safe and valuable fertilizer for all kinds of greenhouse plants, having none of the injurious effects of guano when used in too large quantities. Per package, 1 lb., 25 cents; 5 lbs., $1.00.

Peruvian Guano, in boxes, 25 and 50 cents.

Cocoa Fibre Refuse.—One of the most valuable materials for mixing with soil for plants, either in beds or in pots, and a most excellent substitute for leaf mold or peat. Plants of all kinds thrive in it with the greatest luxuriance. **50 cents per peck; $1.50 per bushel, in bags or bbls.**

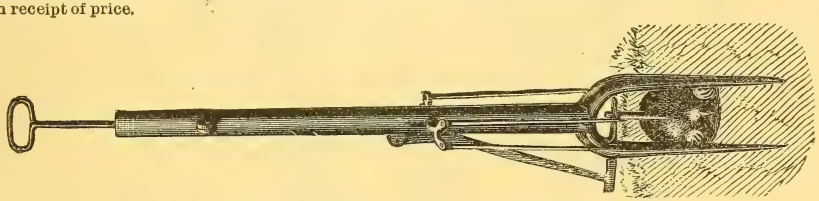
[Trade Mark.]

IMPERIAL EGG FOOD.

For all Varieties of Poultry, Laying Hens, Young Chicks, Ducks and Turkeys.

WILL MAKE HENS LAY,

Winter and summer, support fowls during moulting, keep them constantly in fine condition, and increase their profit 100 per cent. Half of the chicks die annually; this makes bone and muscle early and will save them. Packages to mix with 50 weight ordinary feed, 50 cents; larger for $1.00 and $2.00. Sent prepaid on receipt of price.



THE ISBELL MOLE TRAP.

IT NEVER FAILS.

Having been thoroughly convinced of the pressing need of some device for catching and destroying the under-ground mole which is overrunning cemeteries, parks, lawns, and gardens, no labor, experiment or expense has been spared in inventing and perfecting a trap which we do not hesitate to say will effectually meet the demand.

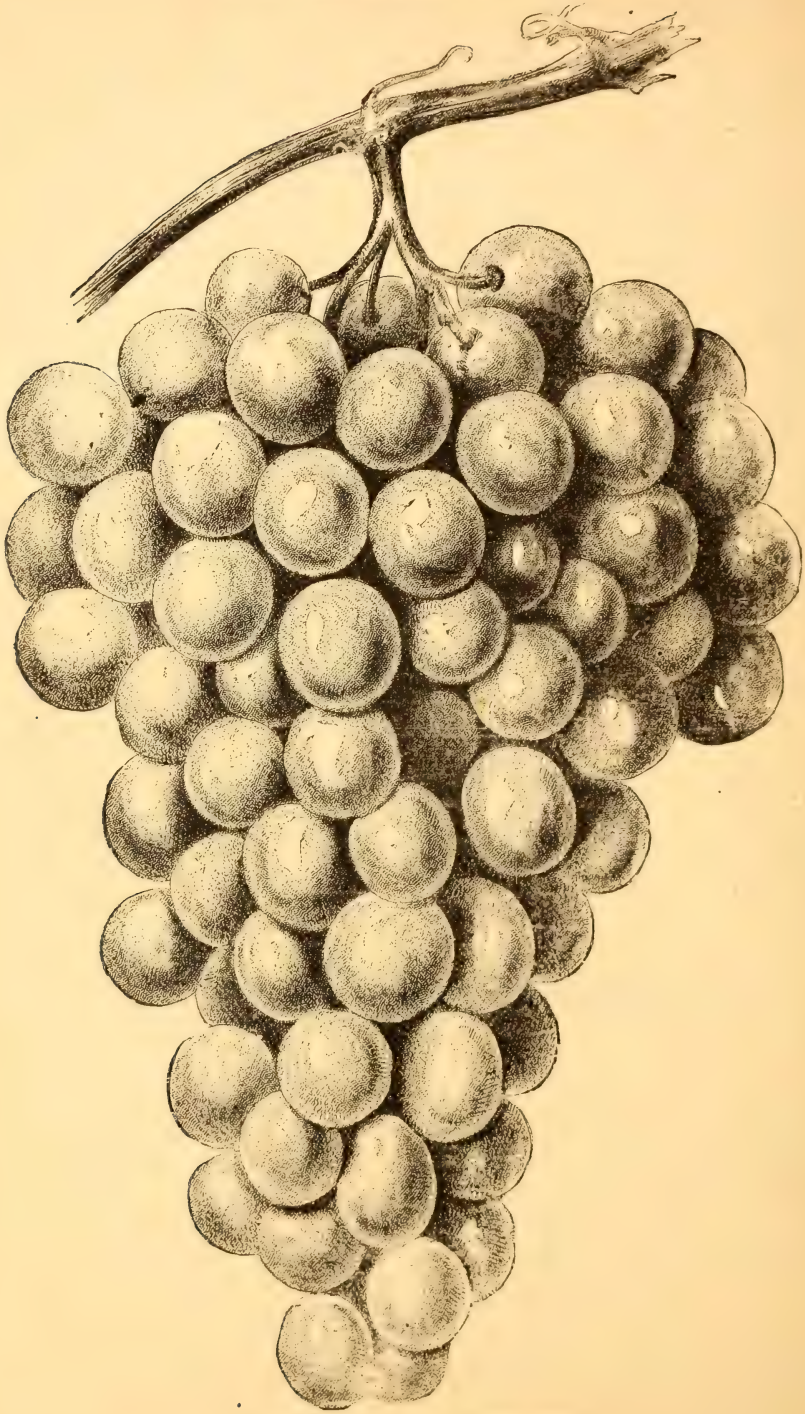
It is acknowledged by all who have given it a trial as the best device ever invented for the purpose. When properly set it never allows the mole to escape, and no skill is required in setting it.

Nothing but a small wooden pin is visible in the track, which the mole is sure to run against, the slightest touch springing the trap, which never fails to catch and kill the mole. Price, $2.00 each.

TROWBRIDGE'S GRAFTING WAX.

OF FIRST QUALITY.

Put up in convenient rolls for use, of 1, ½, and ¼ pounds. This has been in use for a number of years, and is highly recommended. Price, 40 cents per lb.; ¼ lb. packages, 15 cents. By mail, 16 cents per lb. extra.



LADY CHARLOTTE. (ACTUAL SIZE.)

PRINGLE'S NEW HYBRID GRAPES.

We take much pleasure in introducing four new varieties of Hardy Grapes, raised by the well-known and successful hybridizer of Potatoes, Grains and other plants, Mr. C. G. Pringle, of Vermont. These varieties are purely native, without any foreign blood, and have matured their crops regularly in the northern part of Vermont, where most other varieties have failed. They will prove not only a valuable acquisition to the northern parts of our country, where the ordinary varieties will not mature, but will be of great value as very early varieties in the more favored portions of the country.

MANSFIELD.

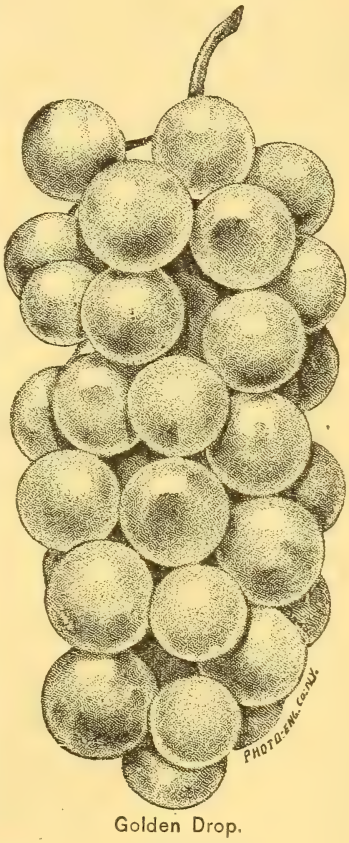
This is one of the best of Pringle's hybrids and a grape which in richness of quality is surpassed by no native sort. It was raised in 1869 from seed of the Concord fertilized by pollen of the Iona; and it combines in an unusual manner the more valuable characters of both these popular sorts. The vine is a rampant grower, with broad and thick leaves which are densely woolly beneath. Color of fruit purplish black under a slight bloom; bunch large, often shouldered, sufficiently compact; berry large, somewhat oval; flesh tender with but little pulp of a remarkably rich and delightful flavor. Fruit adheres well to the stem. Season earlier than that of Concord. It is confidently predicted that this variety will take a first rank among our hardiest and best table grapes. Two-year old vines, $2.00 each; one-year old, $1.50.

GOLDEN DROP.

An extremely early white Grape, raised by Pringle in 1869 from the Adirondac, fertilized by the Delaware. In size of bunch and berry it resembles Delaware; in earliness it even surpasses the Adirondac. Color yellowish white, with a tinge of red in the sun; bunch cylindrical, seldom shouldered, small, close; berry smallish, round; flesh tender, though slightly pulpy, juicy, very sweet and pure flavored, without the slightest foxiness. The vine is a good grower, yearly loaded with fruit; leaves small, obscurely lobed, tomentose beneath, showing superior capacity to resist mildew and thrips. This purely native and hardy variety is admired by such as are fond of the sweet and delicate flavor of some of the foreign sorts. Its surpassing earliness makes it valuable for planting in our northern districts, where none of the varieties in cultivation are sure to ripen thoroughly every year, and useful to give earliest grapes anywhere. Two-year old vines, $2.00 each; one-year, $1.50.

LADY CHARLOTTE.

This very promising white grape was raised by Pringle in 1869 from the Delaware, fertilized by the Iona. Color, light green, becoming amber or golden, with a reddish tinge in the sun; bunch, very large, very broadly shouldered, narrow and pointed below, compact; berry of medium size, globular. Flesh, with some pulp, but juicy and very sweet, without the least acidity in the center or harshness or foxiness in its flavor. Vine, a rampant grower and a great bearer, healthy; leaves, very large, bearing much resemblance to those of the Iona. Time of maturity about with the Iona. Two-year old vines, $2.00; one-year old, $1.50.



Golden Drop.
[ACTUAL SIZE.]

VERMONT GIANT.

A mammoth variety raised by Pringle, in 1869, from the **Concord**; fertilized, as was supposed, by the **Iona.** Color, black, with a bloom; bunch, medium, sufficiently close-shouldered; berry, very large, often nearly an inch in diameter; flesh in character and quality resembling that of Concord; vine, a good grower and healthy; leaves, large, lobed, woody beneath; season, medium. Two-year old vines, $1.50 each; one-year old, $1.00.

The set of four varieties, two-year old vines, $6.50; one-year old vines, $4.50.

MOORE'S EARLY.

A new, hardy grape, combining the following desirable qualities, viz: hardiness, size, beauty, quality, productiveness, and earliness, maturing ten days earlier than the Hartford Prolific, and twenty days before the Concord.

This new grape is one out of a lot of twenty-five hundred seedlings, and produced its first fruit in the year 1872; it was then exhibited, and has been shown at the exhibitions of the Massachusetts Horticultural Society, and tested by the Fruit Committee every year since, and various prizes have been awarded for it. One-year old vines, $0.75; two-year old, $1.50 each. A few extra vines, $3.00 each.

One-year old vines, by mail, 15 cents additional.

STRAWBERRIES.

CULTIVATION.—Strawberries may be grown on any soil that will produce corn or potatoes. A light clay loam, well enriched with rotten barn-yard manure, is the most favorable soil for most varieties. Spring is the best season for planting. As soon as the plants are received from the nursery, open the package or box *at once*, and if possible, plant the same day. If the ground is not ready, or for other causes the planting has to be delayed, untie each bundle and heel in the plants at a shady place, or cover with damp moss and keep in a cool cellar until ready for planting. In the garden, plant in rows 18 inches apart, by 12 in the rows; after every third row, leave a space of two feet, instead of 18 inches, for a path. In the field, for cultivation by horses, the rows should be three feet apart After the beds are marked out, make with a hoe or a trowel, a hole for each plant, large enough to admit all the roots of the plant without crowding or bending them over. Then spread the roots in the hole and carefully sprinkle pulverized soil upon them until the hole is one-half filled, and press the soil firmly around the roots, then fill up the hole to the crown of the plant, but no more, without pressing the soil again. If the ground is very dry, it is best to plant towards evening, and to water the plants well. To secure healthy plants and a bountiful crop of fruit, the year after planting, the plants should not be allowed to bear the first season, the runners must be cut off before the tips take root, and the ground kept loose and free from weeds. When lasting cold weather sets in, in this latitude, about the last week in November, the plants should be covered with straw or leaves, or salt hay, or any other light material, to a depth of one or two inches. This mulch is not removed until after the bearing of the plant. In the Spring, when the strawberry leaves start, open with a pointed stick or the hand, the mulch over the crown of each plant. No other care is required before bearing. After the last picking the mulch is to be taken away altogether, and the beds cultivated as during the previous season. A strawberry bed managed in this way will last three or four years, so that in order to secure a full supply of berries every season, a new bed should be laid out every second year.

SELECT VARIETIES.

OF RECENT INTRODUCTION.

Sharpless.—A grand variety in every respect Monstrous in size; most berries of good shape, though some are compressed or coxcomb-shaped; flesh solid, sweet, rich and juicy, and of a luscious flavor. Plant hardy, very large and vigorous.. It bears well under ordinary treatment, while under high cultivation its productiveness becomes immense. After extensive trials, under varied conditions and on a great variety of soils, it is generally pronounced as the most valuable Strawberry introduced within many years. 50 cents per dozen; $1.00 per hundred; $6.00 per thousand.

President Lincoln.—Single berries exhibited at the New York Horticultural Exhibition measured 11 inches in circumference; they were of beautiful appearance, excellent quality, and of firmer texture than any other large berry. The plant is a strong grower, hardy and prolific. It requires a rather heavy soil and good cultivation to develop its best qualities, but under favorable conditions, no variety can excel it in size and quality. 50 cents per dozen; $1.00 per hundred; $6.00 per thousand.

Miner's Prolific.—Among the many new sorts, this has proven one of the most valuable. Berries large, globular, irregular, firm, deep crimson, glossy, of a rich aromatic flavor; ripens late, and holds out until very late. Most prolific bearer. 50 cents per dozen; $1.00 per hundred; $5.00 per thousand.

Glendale —Very late; large, conical, of bright scarlet color, very firm and of good, sprightly flavor. The plant is entirely hardy, is a strong, rampant grower and very prolific. Its keeping quality is not surpassed by any variety, and as a shipping berry, to stand long transportation, the Glendale is much sought for. 50 cents per dozen; $1.00 per hundred; $6.00 per thousand.

Crescent Seedling.—The most productive variety ever introduced. The originator assures us that he has picked fifteen thousand quarts of berries from one acre of ground. The berries are medium to large, bright red and of good quality. To all who want an abundance of Strawberries, with the least labor and expense, this variety will prove a valuable acquisition. Price, 50 cents per dozen; $1.00 per hundred; $5.00 per thousand.

Cumberland Triumph.—Takes the very first rank as an amateur berry. Of very large size, beautiful delicate color, luscious melting flavor, it leaves nothing to be desired for a home berry. It is a very strong grower, and prolific bearer. Too soft for marketing. Price, 50 cents per dozen; $1.00 per hundred; $5.00 per thousand.

Golden Defiance.—Similar to the preceding, but later and of dark red color. A most desirable sort for home use. 50 cents per dozen, $1.00 per hundred.

Great American.—Of enormous size, when grown under favorable conditions; under ordinary treatment it refuses to show the remarkable qualities which made it so famous when first brought to notice. 50 cents per dozen; $1.00 per hundred; $5.00 per thousand.

Pioneer—Early, large, irregularly round, bright red, of excellent quality. Highly praised in some localities, while in others it is a poor grower and shy bearer. 50 cents per dozen; $1.00 per hundred.

Durand's (Essex) Beauty.—Large, regular, conical, and, as its name indicates, of great beauty; deep crimson, firm, first-class flavor. It ripens early, the whole berry coloring at once. Plant a good, healthy grower, but, like all of Mr. Durand's seedlings, requires the highest culture. Price, 50 cents per dozen; $1.00 per hundred.

Centennial—A fine, high-flavored, large berry, for which the award was given, and which was pronounced the highest and finest flavored, by the judges of the Centennial Exhibition. It is very regular in form, of a rich scarlet color, continuing long in bearing, and retaining its fine flavor to the last; may be considered one of the finest amateur berries; 50 cents per dozen; $1.00 per hundred.

Cinderella.—Very early, good medium size, bright glossy red, of good flavor and yield. 50 cents per dozen; $1.00 per hundred.

Continental.—Late, berries large, dark red, firm, and of excellent quality. This is a most valuable variety for market as well as home use. 50 cents per dozen; $1.00 per hundred.

Forest Rose —Fruit large, regular, obtuse conic; heavy bright red; moderately pitted; flesh reddish, solid to the paler center, juicy, sufficiently acid, rich. 50 cents per dozen; $1.00 per hundred.

NEW VARIETIES.

Hervey Davis.—Large, deep brilliant scarlet, very handsome. Flesh white; firm, and of the best quality. Plant a good grower and very productive. The beautiful appearance and firmness of the berry recommends it highly as a market fruit, while its beauty and excellent quality make it desirable for the table. 50 cents per dozen; $2.00 per hundred; $10.00 per thousand.

Marvin.—A cross between Jucunda and Wilson, said to combine the best qualities of both parents. It ripens very late and holds out well. $2.00 per dozen.

Brilliant.—A new variety from Ohio, where competent judges have pronounced it highly promising. The fruit is large, conical, of uniform size, dark glossy red, and the plant is a strong, vigorous grower. $1.00 per dozen.

Warren; Longfellow; Red Jacket; $2.00 per dozen.

STRAWBERRIES.—*Cont'd.*

STANDARD VARIETIES.

EARLY VARIETIES.

	Doz.	*Fifty.*	*Hund.*	*Thous.*
Duchess, the best early variety for general cultivation	$0.50	$0.75	$1.00	$5.00
Downer, very prolific, succeeds best on sandy soil	.50	.75	1.00	5.00
Nicanor, very early, hardy, of good quality, suitable for all soils	.50	.75	1.00	5.00
Duncan, very early, large, prolific, valuable for home use	.50	.75	1.00	5.00

MEDIUM VARIETIES.

	Doz.	*Fifty.*	*Hund.*	*Thous.*
Charles Downing, very prolific, best for general cultivation	$0.50	$0.75	$1.00	$5.00
Wilson, best market variety	.50	.75	1.00	5.00
Black Defiance, very large and delicious, requiring good cultivation	.50	.75	1.00	6.00
Seth Boyden, very large, prolific, very desirable	.50	.75	1.00	5.00
Monarch of the West, very handsome, large and excellent	.50	.75	1.00	5.00
Champion, pistillate, large and very prolific	.50	.75	1.00	5.00
Cumberland Triumph, largest size, exceedingly handsome and luxuriant	.50	.75	1.00	5 00
Prouty's Seedling, berries large, beautifully shaped, and of superior quality	.50	.75	1.00	5.00

LATE VARIETIES.

	Doz.	*Fifty.*	*Hund.*	*Thous*
Triomphe de Gand, very large and excellent, best for heavy soil	$0.50	$0.75	$1.00	$6.00
Jucunda, very large, juicy, very valuable for heavy soil	.50	.75	1.00	6.00
Green Prolific, very productive, good for light soil	.50	.75	1.00	5.00
Kentucky, very late and vigorous, best for light soil	.50	.75	1.00	5.00
Captain Jack, immensely productive, of medium size and good quality	.50	.75	1.00	5.00
President Wilder, excellent under special cultivation	.50	.75	1.00	6.00

In addition to these we can furnish over a hundred varieties of Strawberries, comprising every kind of value.

STRAWBERRY PLANTS BY MAIL.

At the dozen rate plants will be sent by mail, postage prepaid. At the hundred rate, if to be sent by mail. 50 *cents per hundred for postage must be sent in addition to the price.*

POTTED STRAWBERRY PLANTS.

The most favorable time for transplanting Strawberries is during the Spring months. A bed planted in April or May, and well taken care of during Summer, will produce a full crop the following season. When Spring planting is not practicable, however, a full crop may nevertheless be obtained by planting pot-grown plants during the month of August or September. These have been layered in pots, and are taken out and transplanted with the entire ball and every root the plant has made. After the first of August we can furnish pot-grown plants of all the above varieties, the new kinds excepted, at $1.50 per fifty; $2.50 per hundred.

Pot-grown plants cannot be sent by mail.

BLACKBERRIES.

	Doz.	*Hund.*	*Thous.*
Kittatinny, the best for general cultivation	$1.00	$4.00	$30.00
Mo. Mammoth, extra large and hardy	1.00	4.00	30.00
New Rochelle or Lawton, sweet and juicy	1.00	4.00	30.00
Wilson's Early, the earliest	1.00	5.00	40.00
Western Triumph, very large and delicious, hardy	1.00	5.00	40.00
Snyder, the hardiest, very sweet and juicy	1.00	5.00	40.00
Dorchester, very early, sweet, tender, high flavor	1.00	4.00	30.00

RASPBERRIES.

RED VARIETIES.

	Doz.	*Hund.*	*Thous.*
Belle de Fontenay, best Fall bearing variety, large and sweet	$1.00	$4.00	$30.00
Clarke, large and excellent	1.00	4.00	30.00
Highland Hardy, the most prolific, best for general cultivation	1.00	4.00	30.00
H. R. Antwerp, the best quality, half hardy	1.00	6.00	50.00
Philadelphia, hardy and prolific	1.00	4.00	30.00
Cuthbert, large, good quality, hardy; best for family use	1.00	5.00	40 00
Brandywine, very fine, firm, and hardy	1.00	4.00	30.00
Turner, much valued at the West; very early and hardy	1.00	4.00	30.00
Franconia, Kirtland, Naomi, Saunders, Herstine, Reliance, Early Prolific,	1.00		

BLACK VARIETIES.

Doolittle, large, sweet and juicy	1.00	4.00	30.00
Miami, or Mammoth Cluster, the largest late	1.00	4.00	30.00
Thornless, early, has no thorns	1.00	5.00	40.00
Gregg, new, very valuable	1.00	5.00	

YELLOW VARIETIES.

Brinkle's Orange, large, the richest flavored Raspberry	2.00	10 00
Caroline, new, large, sweet and hardy	3.00	

CURRANTS.

	Each.	Doz.	Hund.	Thous.
Cherry, large, best for market	$0.20	$1.00	$6.00	$50.00
Versailles, very large, best for table	.20	1.00	6.00	50.00
White Grape, very large, the best white	.20	1.00	6.00	50.00
Black Naples, valuable for jams and jellies	.20	1.00	6.00	50.00
Two years old bushes of any variety	.30	1.50	9.00	
Three years old bushes of any variety	.40	2.00	12.00	

GOOSEBERRIES.

Houghton Seedling, very prolific, free from mildew	$0.25	$1.00	$6.00	$50.00
— — 2 years old bushes	.30	2.00	12.00	
Downing, pale green, very large, fine quality	.30	2.00	15.00	
— — 2 years old bushes	.50	3.00		

HARDY GRAPES.

	Each.	Doz.	Hund.
Agawam (Rogers', No. 15), maroon, bunches large, berries very large, aromatic	$0.50	$4.00	
— 2 years	.75	6.00	
Brighton, red, bunches large and compact, superior quality	.75	6.00	
— 2 years	1.00	10.00	
Catawba, red, old standard variety, excellent keeper	.35	3.00	$15.00
— 2 years	.50	4.00	
Clinton, black, berries small, very hardy, good wine grape	.25	2.00	10.00
— 2 years	.35	3.00	15.00
Concord, black, the hardiest and best Grape for general cultivation	.25	2.00	10.00
— 2 years	.35	3.00	15.00
Croton, yellowish green, medium size, melting and sweet throughout	.75	6.00	
— 2 years	1.00	10.00	
Delaware, red, compact bunch, berries small, very sweet and delicious	.35	3.00	18.00
— 2 years	.50	4.00	
Diana, pale red, tender, sweet, with musky flavor	.35	3.00	
— 2 years	.50	4.00	
Elvira, greenish white, skin very thin, pulp tender, sweet, fine flavor	.50	4.00	
— 2 years	.75	6.00	
Essex (Rogers', No. 41), berry black, very large, highly aromatic	.50	4.00	
— 2 years	.75	6.00	
Eumelan, black, very early, sweet, rich and vinous	.75	6.00	
— 2 years	1.00	10.00	
Goethe (Rogers', No. 1), yellowish green, berries very large, of delicious aroma	.50	4.00	
— 2 years	.75	6.00	
Hartford Prolific, black, very early and prolific, strong flavor	.25	2.00	10.00
— 2 years	.35	3.00	15.00
Herbert (Rogers', No. 44), black, early, large, very sweet and tender	.50	4.00	
— 2 years	.75	6.00	
Iona, pale red, berries medium, excellent table quality	.35	3.00	
— 2 years	.50	4.00	
Isabella, black, rich musky aroma, old market variety	.25	2.00	10.00
— 2 years	.35	3.00	15.00
Ives, dark purple, early, very hardy, one of the best wine grapes	.25	2.00	10.00
— 2 years	.35	3.00	15.00
Lady, light yellowish green, early, berries large, sweet and rich	1.00	10.00	
— 2 years	1.50		
Lindley (Rogers', No. 9), red, tender, and of highly aromatic flavor	.50	4.00	
— 2 years	.75	6.00	
Martha, greenish white, very sweet, the most popular white Grape	.35	3.00	15.00
— 2 years	.50	4.00	
Massasoit (Rogers', No. 3), brownish red, early	.50	4.00	
— 2 years	.75	6.00	
Merrimack (Rogers', No. 19), black, very vigorous, sweet	.50	4.00	
— 2 years	.75	6.00	
Salem (Rogers', No. 53), chestnut color, berry very large, quality best	.50	4.00	
— 2 years	.75	6.00	
Talman (Early Champion), black, one of the earliest	.35	3.00	
— 2 years	.50	4.00	
Wilder (Rogers', No. 4), dark purple, juicy, rich and sweet	.50	4.00	
— 2 years	.75	6.00	
Worden, black, similar to Concord, one week earlier	.50	4.00	

Three-years-old Grape Vines, of most of these varieties, can be furnished at *double the prices* quoted for one-year-old vines.

EXOTIC GRAPES FOR VINERIES.

One year old plants, 75 cents to $1.00 each. Two year old plants, $1.00 to $1.50 each.
Our stock embraces all the leading varieties. Extra size for fruiting in pots, $3.00 each.

CRANBERRY PLANTS.

Black Bell.

10,000 plants by express, freight paid by purchaser, sufficient for one acre at two feet apart $25.00

If sent by mail, prepaid 30.00

5,000 " " " " per 1,000 .. 3.50

1,000 " " " " " 4.00

100 " " " " per 100 .... .50

Vines in bbls.—8 to 12 bbls. will plant an acre ..... per bbl. 5.00

Mansfield Creeper.—A new upland variety; habit and growth different from other varieties—these are furnished by cuttings or shoots; take root freely, and are as safe in planting as root varieties. Price per 100 ..... .60

Eaton Black Bell.—A variety of early Cranberry; has been found to be much earlier than any yet cultivated; not a large berry, but uniform in size, dark color, and great bearers; ripe by 5th of September, two or three weeks earlier than other varieties, which gives them preference at a higher price in market, Per 100 ..... .75

Full directions for cultivation sent with each lot ordered. No plants sent C. O. D.

For the convenience of our customers in the Southern and Pacific States, we winter, in frost-proof cellars, a full assortment of all the principal varieties of Small Fruits, whereby we are able to forward plants with safety, at any time during Winter.

PLANTS BY MAIL.

N. B.—**Strawberry Plants,** at the dozen rate, will be mailed to any Post-Office in the United States without extra charge. At the fifty or hundred rate, if to be sent by mail, 50 cents additional must be remitted for each hundred plants.

Raspberries, Blackberries, Currants, Gooseberries and Grape-vines can be mailed for 25 cents per dozen, in addition to the price. When this amount is not remitted a number of plants sufficient to cover the amount of postage is deducted from the order.

Large or more than one-year-old plants cannot be forwarded by mail.

TREE AND SHRUB SEEDS,

Of every description. See special list.

PLANT AND TREE LABELS (Wood).

	Hund.	*Thous.*
Pot or Plant, 4 inches long	$0.20	$1.25
Pot or Plant, 4½ inches long	.25	1.40
Pot or Plant, 5½ inches long	.30	1.75
Pot or Plant, 6 inches long	.30	2.00
Garden or Nursery, 12 inches long	.75	6.00
Tree, notched or pierced, 4 inches long	.20	1.25

The following should have been placed among **Summer Flowering Bulbs:**

FRUIT AND ORNAMENTAL TREES.

Having frequent calls for the above, we have made arrangements with several prominent growers, and will hereafter be enabled to execute orders for the following. The cost of packing will be added:

	Each.	*Per* 50.	*Per* 100.
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Pears, standard, 5 to 7 feet	.75	30.00	50.00
Pears, standard, extra size, $1.00 to $2.00 each			
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Cherries, standard and dwarf	.50	20.00	35.00
Plums, 6 to 7 feet	.50	20.00	35.00
Plums, Wild Goose, not so liable to the attacks of the Curculio, as other varieties	.75		
Peaches, 4½ to 6 feet	.20	8.00	12.00
Apricots, Nectarines and Quinces	.50	20.00	30.00
Chestnuts, Filberts and Almonds	.50		

DECIDUOUS TREES.

Norway, Silver and Red Maple, American Linden, American Elm, White Birch, Horse Chestnut, English Larch, Magnolia acuminata and tripetela, Green and Silver-leaved Poplar, 8 to 10 feet, $1.00 each; extra sized specimens, from $1.50 to $2.00 each.

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Poplar, Linden, Cut-leaved, Birch and Kilmarnock Willow, $1.00 each.

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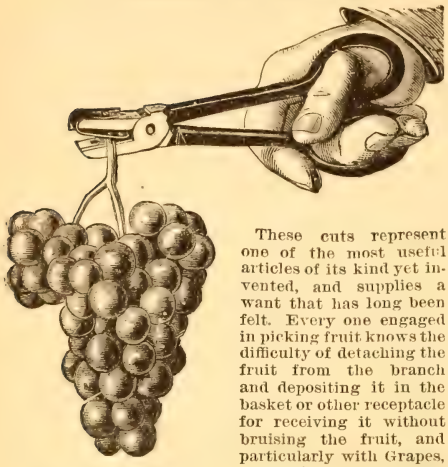
WEEK'S GRAPE, FRUIT, AND FLOWER PICKER.

VALENTINE'S PAT., AUG. 1, 1865.



These cuts represent one of the most useful articles of its kind yet invented, and supplies a want that has long been felt. Every one engaged in picking fruit knows the difficulty of detaching the fruit from the branch and depositing it in the basket or other receptacle for receiving it without bruising the fruit, and particularly with Grapes, *unless very great care is exercised,* each bunch will be more or less injured. The tool is a pair of shears arranged with an elastic holdfast that cuts the stem and holds it so that the fruit can be deposited in the receptacle for receiving it without touching it with the hands.

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For picking oranges, where the branches are full of thorns, it will save many a hard word.

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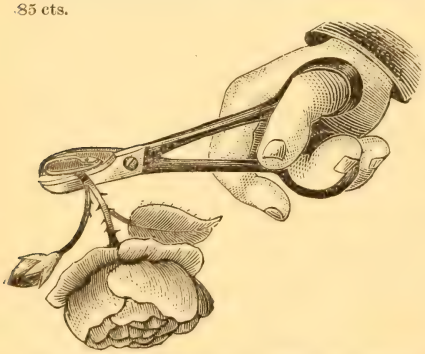
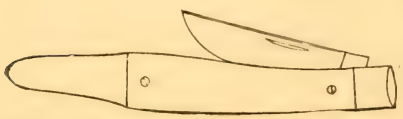


The No. 2, *or smallest size,* is particularly adapted for **Flowers,** and will be found an invaluable assistant in the Garden or Hot house.

They are made of the best material, and finished in a workmanlike manner. Price 50 cents; by mail, 60 cents.



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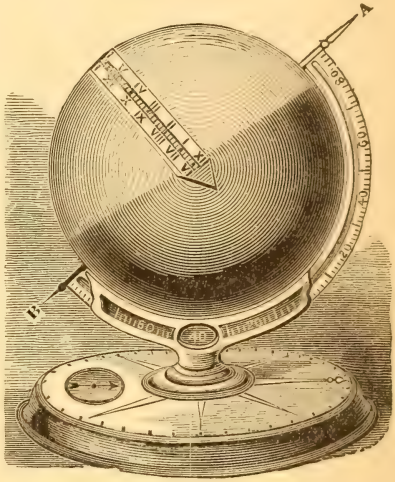
Maher & Grosh's knives are made of the best Roger steel and warranted. The cuts are one-half the size of the knives. By mail, 85 cts.

Maher & Grosh Pruning Knife. Price, $1.00. By mail, $1.25.



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The advantages possessed by this beautiful and unique instrument are seen at once by inspection.

The elevation of the pole A B, is simply arranged, and makes the dial suited to any latitude; and the ready means for taking the sun time renders it especially interesting, as the exact time to set a clock can be determined in a few moments.

DIRECTIONS—Set the post plum and level the top; then from the center, describe several concentric circles; suspend directly over the center a plummet (pointed at the bottom), and observe (near noon) when the sun makes its shortest shadow through this point and the center, draw a line across the top of the post. Open the dial-plate and put a screw in the center hole, turn the plate until the line bisects the two other holes; then put in the other screws; shut the dial-plate and unscrew the set-screw behind the opening of the pedestal and elevate the pole to the latitude of the place, seen through the opening in the pedestal (the degree in the center); fasten the set-screw and the globe is rectified for the meridan.

The line made by the division between light and shadow, shows the sun time on the *upper line of figures,* and is readily seen at any part of the day by standing on the *shaded side* of the globe.

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Sends its greeting to every cultivator of the soil, to every lover of fruits and vegetables, of flowers and home adornments; to the wealthy country gentleman, who can lavish his thousands a year on the scrupulous care of his lawns, parterres and hot-houses, who can employ all the skill, labor, and material necessary to accomplish his aim; as well as to the wan-faced, haggard workman and woman of the crowded city, who, after the day's toil and fatigue, wearily climb up to their upper-story tenement, where the tenderly cared for geranium and mignonette on the window-sill, and the solitary morning-glory, twining around a cotton string across the smoke-stained window, bring back to their hearts the memories of the happy days of childhood, of the fragrant meadows and the blooming hill-sides on the long-since-deserted, dear old homestead.

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Large as the number of Agricultural and Horticultural Journals is already—nearly every specialty having one or more papers devoted to its interests—the wants of the classes for whose interest we intend to labor have so far been but partially supplied. Although nearly all agricultural papers devote a part of their columns to horticultural matters, the bulk of their contents is of no interest to those who cultivate not more than a garden.

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